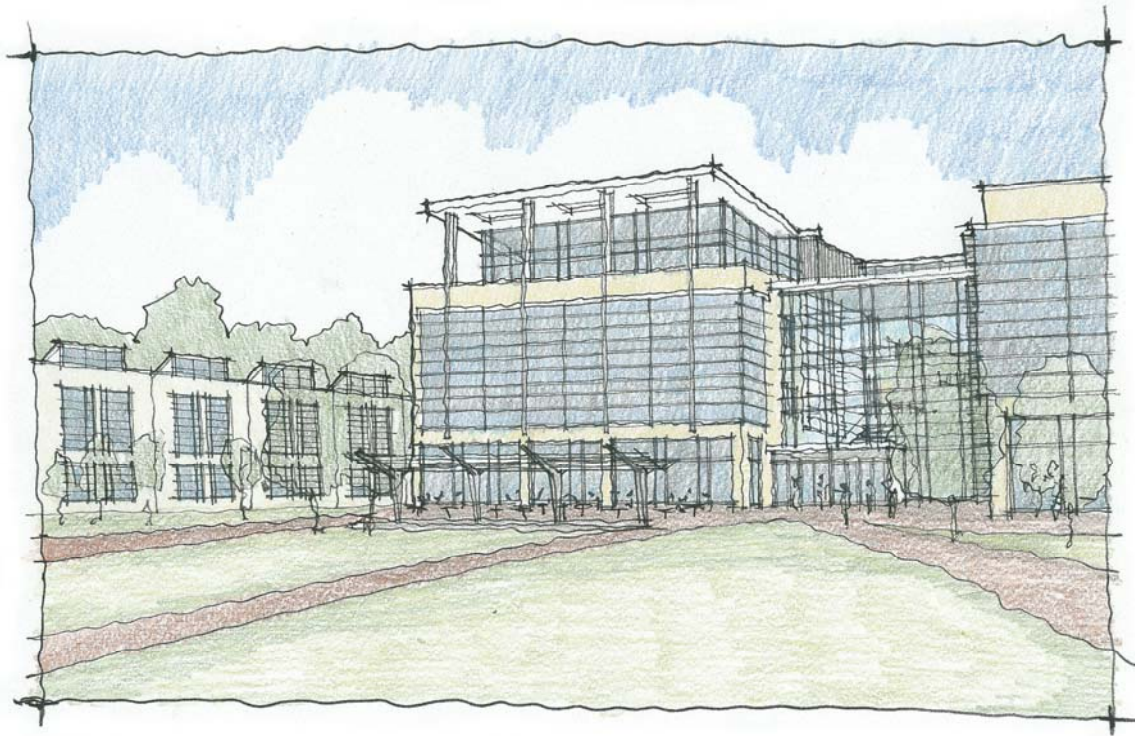


STUDENT SERVICES BUILDING
HOWARD COMMUNITY COLLEGE
COLUMBIA, MD

TECHNICAL ASSIGNMENT #2
Building and Plant Energy Analysis



Jason P. Fair
Mechanical Option
October 31, 2005

TABLE OF CONTENTS: **PAGE**

Executive Summary2
LEED Analysis3
ASHRAE standard 90.1 compliance5
Mechanical System Areas.....6
Design Load Estimation7
Energy Consumption.....8

Appendix I, Lighting Power Densities

Appendix II, Load Design Data

Appendix III, Energy Consumption and Costs

EXECUTIVE SUMMARY:

The building envelope of the Student Services Building at Howard Community College was evaluated using ASHRAE 90.1. The results of this evaluation are that the designed system meets and exceeds the envelope required by the ASHRAE 90 standard. The required U values for the wall and roof assemblies are below the maximum allowed for climate zone 4-A. Also the lighting power densities are also within the limits set by Standard 90.

The SSB was not intended to be a LEED certified building, therefore, it did not meet the requirements for certification. Even though it did not meet LEED certification good energy conservation techniques were implemented in the design of the controls for lighting and air handling units. The use of occupancy sensors allow for lighting and ventilation to be reduced when the spaces are not occupied. Also lighting level sensors are also in place to take advantage of natural day lighting and reduce the amount of artificial lighting.

For the building load estimates the TRACE 700 program was used to model the building spaces and associated loads. Some of the spaces modeled differ from the design documents due to assumptions made by the designers. Also this building houses the new food service for the campus, so there are many additional loads from kitchen equipment that needed to be accounted for in the thermal loads on the building.

LEED ANALYSIS:

The owners at Howard Community College took several measures to try to ensure energy efficient design of the Student Services Building; however, it was not intended to be a LEED (Leadership in Energy & Environmental Design) certified building. Therefore, in my analysis of the building I found that it met very few of the requirements for certification according to version 2.1 of this green building rating system. Below I have made a chart of all 69 possible points, and which of these categories the Student Services Building satisfies.

Project Checklist Y or N	CATEGORIES	Earned Points
	Sustainable Sites 14 Possible Points	
Y	Prereq 1 Erosion & Sedimentation Control Required	0
N	Credit 1 Site Selection 1	0
N	Credit 2 Urban Redevelopment 1	0
N	Credit 3 Brownfield Redevelopment 1	0
N	Credit 4.1 Alternative Transportation, Public Transportation Access 1	0
N	Credit 4.2 Alternative Transportation, Bicycle Storage & Changing Rooms 1	0
N	Credit 4.3 Alternative Transportation, Alternative Fuel Vehicles 1	0
N	Credit 4.4 Alternative Transportation, Parking Capacity 1	0
N	Credit 5.1 Reduced Site Disturbance, Protect or Restore Open Space 1	0
N	Credit 5.2 Reduced Site Disturbance, Development Footprint 1	0
N	Credit 6.1 Stormwater Management, Rate and Quantity 1	0
N	Credit 6.2 Stormwater Management, Treatment 1	0
N	Credit 7.1 Heat Island Effect, Non-Roof 1	0
N	Credit 7.2 Heat Island Effect, Roof 1	0
N	Credit 8 Light Pollution Reduction 1	0
	Water Efficiency 5 Possible Points	
N	Credit 1.1 Water Efficient Landscaping, Reduce by 50% 1	0
N	Credit 1.2 Water Efficient Landscaping, No Potable Use or No Irrigation 1	0
N	Credit 2 Innovative Wastewater Technologies 1	0
N	Credit 3.1 Water Use Reduction, 20% Reduction 1	0
N	Credit 3.2 Water Use Reduction, 30% Reduction 1	0
	Energy & Atmosphere 17 Possible Points	
Y	Prereq 1 Fundamental Building Systems Commissioning Required	0
Y	Prereq 2 Minimum Energy Performance Required	0
Y	Prereq 3 CFC Reduction in HVAC&R Equipment Required	0
Y	Credit 1 Optimize Energy Performance 1-10	1
N	Credit 2.1 Renewable Energy, 5% 1	0
N	Credit 2.2 Renewable Energy, 10% 1	0
N	Credit 2.3 Renewable Energy, 20% 1	0
N	Credit 3 Additional Commissioning 1	0

N	Credit 4 Ozone Depletion 1	0
Y	Credit 5 Measurement & Verification 1	1
N	Credit 6 Green Power 1	0
Materials & Resources 13 Possible Points		
Y	Prereq 1 Storage & Collection of Recyclables Required	0
N	Credit 1.1 Building Reuse, Maintain 75% of Existing Shell 1	0
N	Credit 1.2 Building Reuse, Maintain 100% of Shell 1	0
N	Credit 1.3 Building Reuse, Maintain 100% Shell & 50% Non-Shell 1	0
N	Credit 2.1 Construction Waste Management, Divert 50% 1	0
N	Credit 2.2 Construction Waste Management, Divert 75% 1	0
N	Credit 3.1 Resource Reuse, Specify 5% 1	0
N	Credit 3.2 Resource Reuse, Specify 10% 1	0
N	Credit 4.1 Recycled Content, Specify 5% (p.c. + 1/2 p.i.) 1	0
N	Credit 4.2 Recycled Content, Specify 10% (p.c. + 1/2 p.i.) 1	0
N	Credit 5.1 Local/Regional Materials, 20% Manufactured Locally 1	0
N	Credit 5.2 Local/Regional Materials, of 20% in MRc5.1, 50% Harvested Locally 1	0
N	Credit 6 Rapidly Renewable Materials 1	0
N	Credit 7 Certified Wood 1	0
Indoor Environmental Quality 15 Possible Points		
Y	Prereq 1 Minimum IAQ Performance Required	0
Y	Prereq 2 Environmental Tobacco Smoke (ETS) Control Required	0
Y	Credit 1 Carbon Dioxide (CO ₂) Monitoring 1	1
N	Credit 2 Ventilation Effectiveness 1	0
N	Credit 3.1 Construction IAQ Management Plan, During Construction 1	0
N	Credit 3.2 Construction IAQ Management Plan, Before Occupancy 1	0
N	Credit 4.1 Low-Emitting Materials, Adhesives & Sealants 1	0
N	Credit 4.2 Low-Emitting Materials, Paints 1	0
N	Credit 4.3 Low-Emitting Materials, Carpet 1	0
N	Credit 4.4 Low-Emitting Materials, Composite Wood 1	0
N	Credit 5 Indoor Chemical & Pollutant Source Control 1	0
Y	Credit 6.1 Controllability of Systems, Perimeter 1	1
N	Credit 6.2 Controllability of Systems, Non-Perimeter 1	0
N	Credit 7.1 Thermal Comfort, Comply with ASHRAE 55-1992 1	0
N	Credit 7.2 Thermal Comfort, Permanent Monitoring System 1	0
N	Credit 8.1 Daylight & Views, Daylight 75% of Spaces 1	0
N	Credit 8.2 Daylight & Views, Views for 90% of Spaces 1	0
Innovation & Design Process 5 Possible Points		
N	Credit 1.1 Innovation in Design 1	0
N	Credit 1.2 Innovation in Design 1	0
N	Credit 1.3 Innovation in Design 1	0
N	Credit 1.4 Innovation in Design 1	0
N	Credit 2 LEED™ Accredited Professional 1	0
Project Totals 69 Possible Points		Points earned
Certified 26-32 points Silver 33-38 points Gold 39-51 points Platinum 52-69 points		4

According to my analysis of the design, the building would only achieve 4 LEED points. Other points could possibly be earned through proper waste management and IAQ management during the construction process, and this would not affect the established design of the building. However, if a LEED certification was desired for the Student Services Building it would require more extensive design changes that need to be incorporated from the beginning.

ASHRAE STANDARD 90.1 COMPLIANCE:

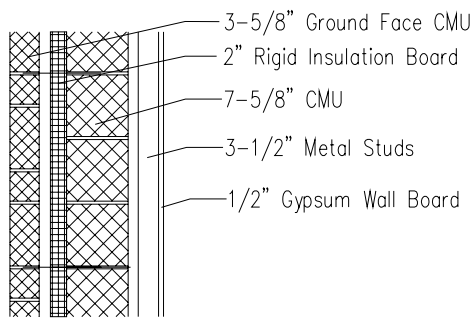
The Student Services Building is located in Columbia Md. which is in climate zone 4A for Std 90.1. This zone has the following building envelope requirements for maximum U values:

Roofs insulation entirely above deck 0.06

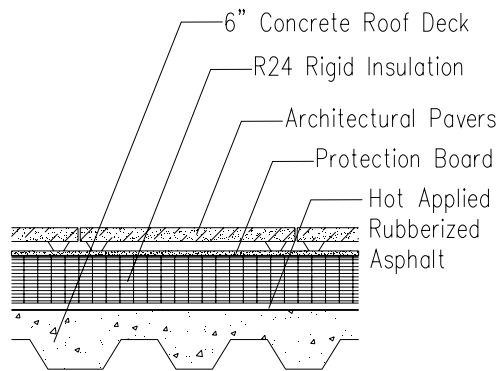
Mass walls 0.151

Vertical glazing 40-50%	Fixed U-0.46
	Oper U-0.47
	SHGC all-0.25
	SHGC north – 0.36

Below are the typical wall and roof constructions and their corresponding assumed U values.



Typical wall U=0.06



Typical Roof U=0.038

The glazing for the building has the following U values and SHGC for both fixed and operable windows on all wall orientations: U-0.28, SHGC-0.38 The Solar Heat Gain Coefficient is more that what it should be however the lower U value and shading coefficient of 0.44 should make up for the additional heat gain.

The lighting power densities were calculated for all spaces (see Appendix I). Some of the individual spaces did not meet the power density requirements due to accent lighting or other requirements for the space. However, the overall power density was within the ASHRAE Standard 90 energy requirements for a School/University (1.2 watts/sqft), or Cafeteria/Fast Food (1.4 watts/sqft).

MECHANICAL SYSTEM SPACE AND COST:

FLOOR	GROSS AREA (sqft)	MECH AREA (sqft)	% LOST SPACE
BASEMENT	5,920	3,265	55.15
FIRST FLOOR	28,610	494	1.73
SECOND FLOOR	29,180	176	0.60
THIRD FLOOR	28,795	170	0.59
FOURTH FLOOR	8,900	95	1.07
TOTAL	101,405	4,200	4.14

Above is a breakdown of the lost floor space due to mechanical equipment and vertical mechanical shafts. Due to strategic placement of the mechanical systems very little floor space is lost on the main occupied floors 1-4. Vertical mechanical shaft areas were also kept to a minimum by the use of high pressure duct work running to the VAV boxes.

The total estimated cost for the mechanical systems is \$5,049,810 with a total building area of 101,405 sqft. This provides a unit cost of \$49.80 per sqft and accounts for 21.2% of the total building expense.

Total	Cost /Area	% Of Total
5,049,810	49.80	21.20%

LOAD AND ENERGY ANALYSIS:

Yearly energy utilization data was unavailable for the Student Services Building as it currently under construction.

DESIGN LOAD ESTIMATION:

All load and energy estimates were generated using the TRACE 700 program. Outdoor conditions were based upon weather data for Baltimore, Md. All design data is listed in Appendix II. Below is a comparison of the designed system and the Trace estimated system.

	DESIGN			TRACE ESTIMATED		
	COOLING LOAD (TON)	OA VENTILATION (CFM)	SUPPLY AIR (CFM)	COOLING LOAD (TON)	OA VENTILATION (CFM)	SUPPLY AIR (CFM)
AHU-1	140	6,300	36300	114.9	7600	47000
AHU-2	143	10,300	32300	73.1	8400	16200
AHU-3	60	6,500	1100	21	2080	7300
AHU-4	33	1,900	9000	25.4	2540	8200
AHU-5	75	7,200	15000	217	11740	84313
AHU-6	23	5,700	5700	113.9	40	41000
TOTALS	475	37,900	99,400	565.3	32400	204013
TOTAL/SQFT	213.64	0.37	0.98	179.38	0.32	2.01
	sqft/ton	cfm/sqft	cfm/sqft	sqft/ton	cfm/sqft	cfm/sqft

I have a large difference in the loads and ventilation for AHU-5 and AHU-6. I believe that this is from the different assumptions made during the design. AHU-6 serves the kitchen space and is serviced by a 100% outdoor air system. Also there are many exhaust hoods in the kitchen space which exhaust twice as much air as is being supplied to the system. Since there is more air being exhausted than is being supplied, air from the spaces served by AHU-5 is also being exhausted. Because of this large exhaust rate the AHU's do not have to overcome the great cooling loads imposed by the many pieces of kitchen equipment such as ovens, grills, and fryers.

ENERGY CONSUMPTION AND OPERATING COSTS:

As discussed above some of my energy loads estimated were more than what was designed. I do not have any information on operating costs because the building is still under construction. Also an energy analysis was not performed on the building because it was not required by the owner. The TRACE 700 program was used to estimate the operating costs and gave an annual cost of \$532,771.21 This estimate includes the cost of electricity for the entire building and oil for the boiler heating load.

Equipment Energy Consumption by Alternative

	Elect Con	Oil Con	Water Con	Percent of Total (kBtu/yr)	Total Source Energy*
Alternative: 1 - HCC Student Services Building					
Primary heating	24,130.5	7,406.7		2.7%	10,267.5
Cooling Compressor	1,099,181.1			12.4%	112,556.4
Tower/Cond Fans	303,243.4		7,963.4	3.4%	31,052.2
Condenser Pump	269,079.3			3.0%	27,553.8
Circ Pumps	349,123.9			3.9%	35,750.4
Lighting	6,395,603.5			72.0%	654,911.3
Totals	8,660,764.0	7,406.7	7,963.4	100.0%	894,660.8

Please see Appendix III for further details.

LIGHTING POWER DENSITIES

FLOOR	ROOM #	SPACE DESCRIPTION	AREA (sqft)	OCCUP ANCY	DESIGNED SA (cfm)	WATTAGE PER LAMP	NO OF LAMPS PER FIXTURE	NO OF FIXTURES	WATTS	POWER DENSITY W/SQFT	ASHRAE	ASHRAE
											STD 90.1 Lighting W/ft ²	STD 90.1 Compliant yes/no
BASE	001	MECH ROOM	3,170	11		32	2	21	1344	0.424	1.5	YES
BASE	001A	ELEVATOR MACHINE ROOM	45	1		32	2	1	64	1.422	1.5	YES
BASE	001B	PLANT STORAGE	162	0		32	2	2	128	0.790	0.6	NO
BASE	001C	PLANT MAINTENANCE	142	1		32	2	3	192	1.352	1.5	YES
BASE	001D	TOILET	42	1		32	2	1	64	1.524	0.9	NO
BASE	001E	TELECOM & AV ROOM	100	1		32	2	2	128	1.280	1.5	YES
BASE	002	ELECTRICAL ROOM	875	3		32	2	11	704	0.805	1.5	YES
BASE	002A	ELECTRICAL CLOSET	116	1		32	2	2	128	1.103	1.5	YES
			4,652									
1st	100	ATRIUM / LOWER LOBBY	2,000	286	5500	VARIES	VARIES	VARIES	1250	0.625	0.6	NO
1st	101	FAMILY TOILET	48	0	---	32	2	1	64	1.333	0.9	NO
1st	102	ELEV MACHINE ROOM	100	0	200	32	2	2	128	1.280	1.5	YES
1st	103	HOUSE KEEPING	100	0	---	32	2	2	128	1.280	0.6	NO
1st	104	HOUSE KEEPING OFFICE	142	0	100	32	2	2	128	0.901	1.1	YES
1st	105	MECHANICAL	410	0	---	32	2	6	384	0.937	1.5	YES
1st	106	STORAGE	1,440	0	300	32	3	11	1056	0.733	0.6	NO
1st	107	OFFICE SUPPORT WORK AREA	1,125	6	450	32	3	14	1344	1.195	1.1	NO
1st	108	RECEPTION	200	1	175	32	2	4	256	1.280	1.1	NO
1st	109	ASSISTANT OFFICE	140	2	550	32	2	3	192	1.371	1.1	NO
1st	110	MANAGER OFFICE	140	2	550	32	2	3	192	1.371	1.1	NO
1st	111	DIRECTOR OFFICE	150	2	660	32	2	3	192	1.280	1.1	NO
1st	112	CASH HANDLING WORK ROOM	250	4	260	32	2	4	256	1.024	1.5	YES
1st	112A	CLOSET	20	0	---	0	0	0	0	0.000	0.3	YES
1st	113	BOOKSTORE MERCHANDISING AREA	3,596	110	6360	VARIES	VARIES	VARIES	3880	1.079	1.7	YES
1st	114	WELCOME CENTER RECEPTION	230	6	428	VARIES	VARIES	VARIES	840	3.652	1.3	NO
1st	115	CALL CENTER	100	1	75	32	2	2	128	1.280	1.1	NO
1st	116	SHARED OFFICE	595	6	400	32	2	11	704	1.183	1.1	NO
1st	116A	OFFICE STORAGE	100	0	50	32	3	2	192	1.920	0.8	NO
1st	117	SECURITY RECEPTION	150	2	125	32	2	3	192	1.280	1.1	NO
1st	118	ID OFFICE	170	2	140	32	2	3	192	1.129	1.1	NO
1st	119	DIRECTOR OFFICE	150	2	135	32	2	2	128	0.853	1.1	YES
1st	119A	STORAGE	100	0	105	32	3	2	192	1.920	0.8	NO
1st	R11	WOMEN TOILET ROOM	350	0	300	32	2	12	768	2.194	0.9	NO
1st	R12	MEN TOILET ROOM	350	0	300	32	2	12	768	2.194	0.9	NO
1st	E11	ELECTRICAL CLOSET	40	0	285	32	2	1	64	1.600	1.5	NO
1st	T11	TELECOM & AV	40	0	---	32	2	1	64	1.600	1.5	NO
1st	V11	VESTIBULE	190	0	---	32	1	4	128	0.674	0.6	NO
1st	C11	CORRIDOR	55	0	---	32	3	1	96	1.745	0.5	NO
1st	C12	CORRIDOR	1,025	0	440	32	3	8	768	0.749	0.5	NO
1st	C13	CORRIDOR	500	0	315	32	3	4	384	0.768	0.5	NO
1st	C14	CORRIDOR	545	0	---	32	3	5	480	0.881	0.5	NO
1st	C15	CORRIDOR	500	0	400	32	3	3	288	0.576	0.5	NO
1st	C16	CORRIDOR	175	0	---	32	3	2	192	1.097	0.5	NO
1st	120	MAIN DINING HALL	5730	382	11400	VARIES	VARIES	VARIES	4250	0.742	0.9	YES
1st	120A	HOUSE KEEPING CLOSET	37	0	---	32	2	1	64	1.730	0.6	NO
1st	121	FOOD SERVING AREA	2395	205	3600	VARIES	VARIES	VARIES	2845	1.188	1.2	YES
1st	122	KITCHEN	1045	5	5700	32	3	12	1152	1.102	1.2	YES
1st	123	FOOD SERVICE OFFICE	135	2	150	32	3	2	192	1.422	1.1	NO
1st	124	DRY STORAGE	520	0	---	32	3	6	576	1.108	0.8	NO
1st	125	PRIVATE RESTROOM	42	0	---	32	2	1	64	1.524	0.9	NO
1st	126	HOUSEKEEPING STORAGE	35	0	---	32	2	1	64	1.829	0.8	NO
1st	127	CATERING STORAGE	250	0	---	32	3	3	288	1.152	0.8	NO
1st	128	CENTRAL TRASH	140	0	---	32	3	2	192	1.371	0.8	NO
1st	L11	LOADING DOCK	525	0	---	17	2	6	204	0.389	0.5	YES
1st	T12	TELECOM & AV	50	0	---	32	2	1	64	1.280	1.5	YES
1st	E12	ELECTRICAL CLOSET	50	0	285	32	2	1	64	1.280	1.5	YES
			26,180									
2nd	200	VENDING ALCOVE	100	0	----	32	2	1	64	0.640	0.5	NO
2nd	200A	JANITORS CLOSET	60	0	----	32	2	1	64	1.067	0.6	NO
2nd	201	FINANCE RECEPTION	300	5	350	32	2	7	448	1.493	1.1	NO
2nd	C201	CORRIDOR	1450	0	1950	32	1	18	576	0.397	0.5	YES
2nd	202	OFFICE SUPPORT WORK AREA	495	5	700	VARIES	VARIES	VARIES	816	1.648	1.1	NO
2nd	C202N	CORRIDOR	110	0	----	40	2	2	160	1.455	0.5	NO
2nd	203	AR/CR OFFICE 2	135	1	620	32	2	2	128	0.948	1.1	YES
2nd	C203	CORRIDOR	480	0	----	40	2	3	240	0.500	0.5	YES
2nd	204	AR/CR OFFICE 1	135	1	470	32	2	2	128	0.948	1.1	YES
2nd	C204	CORRIDOR	545	0	200	40	2	8	640	1.174	0.5	NO
2nd	205	ASSOCIATE DIRECTOR 1	135	2	620	32	2	2	128	0.948	1.1	YES
2nd	C205	CORRIDOR	210	0	----	40	2	3	240	1.143	0.5	NO
2nd	206	ADMINISTRATIVE	135	1	620	32	2	2	128	0.948	1.1	YES
2nd	C206	CORRIDOR	140	0	360	40	2	3	240	1.714	0.5	NO
2nd	207	SHARED OFFICE ACCOUNTS PAYABLE	415	4	680	32	2	6	384	0.925	1.1	YES
2nd	208	ASSOCIATE DIRECTOR 2	135	2	150	32	2	2	128	0.948	1.1	YES
2nd	209	ASSOCIATE DIRECTOR 3	135	2	150	32	2	2	128	0.948	1.1	YES
2nd	210	ADMIN OFFICE 2	135	2	140	32	2	2	128	0.948	1.1	YES
2nd	211	SHARED OFFICE PAYROLL	420	4	470	32	2	6	384	0.914	1.1	YES
2nd	212	CASHIERS	485	4	550	VARIES	VARIES	VARIES	560	1.155	1.5	YES
2nd	213	SUPERVISOR OFFICE	135	1	135	32	2	2	128	0.948	1.1	YES

FLOOR	ROOM #	SPACE DESCRIPTION	AREA (sqft)	OCCUP ANCY	DESIGNED SA (cfm)	WATTAGE PER LAMP	NO OF LAMPS PER FIXTURE	NO OF FIXTURES	WATTS	POWER DENSITY W/SQFT	ASHRAE STD 90.1 Lighting W/ft ²	ASHRAE STD 90.1 Compliant yes/no
2nd	214	AR/CR SHARED OFFICE	290	2	300	32	2	8	512	1.766	1.1	NO
2nd	215	STORAGE/ FILE ROOM	400	0	110	32	3	5	480	1.200	0.8	NO
2nd	216	CASH HANDLING WORK ROOM	250	2	250	32	2	6	384	1.536	1.5	NO
2nd	217	ASSOCIATE DIRECTOR 4	135	1	150	32	2	2	128	0.948	1.1	YES
2nd	218	STORAGE ROOM	485	0	330	32	3	5	480	0.990	0.8	NO
2nd	219	DIRECTOR OFFICE	150	1	150	32	2	2	128	0.853	1.1	YES
2nd	220	AUDITOR'S CONFERENCE ROOM	275	18	360	32	2	4	256	0.931	1.3	YES
2nd	221	CONFERENCE ROOM	280	19	370	VARIES	VARIES	VARIES	534	1.907	1.3	NO
2nd	222	FINANCIAL AND RECEPTION	810	10	170	VARIES	VARIES	VARIES	1496	1.847	1.1	NO
2nd	223	SUPERVISOR OFFICE	105	2	100	32	2	2	128	1.219	1.1	NO
2nd	224	COUNSELING OFFICE 4	105	2	135	32	2	2	128	1.219	1.1	NO
2nd	225	COUNSELING OFFICE 3	135	2	300	32	2	2	128	0.948	1.1	YES
2nd	226	COUNSELING OFFICE 2	135	2	300	32	2	2	128	0.948	1.1	YES
2nd	227	COUNSELING OFFICE 1	135	2	300	32	2	2	128	0.948	1.1	YES
2nd	228	OFFICE SUPPORT WORK AREA	300	3	300	32	3	3	288	0.960	1.1	YES
2nd	228A	STORAGE / FILE AREA	160	0	100	32	3	2	192	1.200	0.8	NO
2nd	229	ASSOCIATE DIRECTOR	135	1	300	32	2	2	128	0.948	1.1	YES
2nd	230	DIRECTOR OFFICE	150	1	470	32	2	2	128	0.853	1.1	YES
2nd	231	ASSISTANT DIRECTOR	135	1	150	32	2	2	128	0.948	1.1	YES
2nd	T21	TELECOM & AV ROOM	75	0	----	32	2	2	128	1.707	1.5	NO
2nd	E21	ELECTRICAL CLOSET	53	0	285	32	2	1	64	1.208	1.5	YES
2nd	R21	WOMEN TOILET ROOM	235	0	200	32	2	12	768	3.268	0.9	NO
2nd	R22	MEN TOILET ROOM	225	0	200	32	2	12	768	3.413	0.9	NO
2nd	V21	VESTIBULE	110	0	----	32	1	2	64	0.582	0.6	YES
2nd	232	CONFERENCE ROOM 2	630	30	700	VARIES	VARIES	VARIES	1524	2.419	1.3	NO
2nd	233	RECORDS & REGISTRATION RECEPTION	880	8	700	32	2	20	1280	1.455	1.1	NO
2nd	234	OFFICE SUPPORT WORK AREA	240	8	245	32	2	4	256	1.067	1.1	YES
2nd	235	RECORD ROOM & STORAGE	400	2	300	32	3	5	480	1.200	0.8	NO
2nd	236	REC SPECIALIST 2	135	2	140	32	2	2	128	0.948	1.1	YES
2nd	237	REC SPECIALIST 1	135	1	140	32	2	2	128	0.948	1.1	YES
2nd	238	ASSISTANT DIRECTOR 3	135	2	140	32	2	2	128	0.948	1.1	YES
2nd	239	ASSISTANT DIRECTOR 2	135	2	140	32	2	2	128	0.948	1.1	YES
2nd	240	ASSISTANT DIRECTOR 1	135	1	140	32	2	2	128	0.948	1.1	YES
2nd	241	DIRECTOR OFFICE	150	2	680	VARIES	VARIES	VARIES	192	1.280	1.1	NO
2nd	242	ADMISSIONS & ADVISING RECEPT	550	5	200	32	2	15	960	1.745	1.1	NO
2nd	243	TRANSFER CENTER LAB	1590	50	4250	32	2	25	1600	1.006	1.4	YES
2nd	243A	VISITING TRANSFER REP	130	1	130	32	2	2	128	0.985	1.1	YES
2nd	243B	TRANSFER ASSISTANT	130	1	130	32	2	2	128	0.985	1.1	YES
2nd	244	OFFICE SUPPORT WORK AREA	300	3	560	VARIES	VARIES	VARIES	736	2.453	1.1	NO
2nd	245	WAITING & STUDENT WORK AREA	840	42	840	32	2	12	768	0.914	1.1	YES
2nd	246	INFORMATION SPECIALIST	515	8	1380	32	2	9	576	1.118	1.1	NO
2nd	247	OFFICE SUPERVISOR	135	1	340	32	2	2	128	0.948	1.1	YES
2nd	248	DIRECTOR OFFICE	150	1	340	32	2	2	128	0.853	1.1	YES
2nd	249	ADVISING OFFICE 12	135	1	340	32	2	2	128	0.948	1.1	YES
2nd	250	ADVISING OFFICE 11	135	1	340	32	2	2	128	0.948	1.1	YES
2nd	251	ADVISING OFFICE 10	135	1	340	32	2	2	128	0.948	1.1	YES
2nd	252	ADVISING OFFICE 9	135	1	340	32	2	2	128	0.948	1.1	YES
2nd	253	ADVISING OFFICE 8	135	1	340	32	2	2	128	0.948	1.1	YES
2nd	254	ADVISING OFFICE 7	135	1	340	32	2	2	128	0.948	1.1	YES
2nd	255	ADVISING OFFICE 6	135	1	340	32	2	2	128	0.948	1.1	YES
2nd	256	ADVISING OFFICE 5	135	1	340	32	2	2	128	0.948	1.1	YES
2nd	257	OFFICE SUPPORT STORAGE	205	0	150	32	3	2	192	0.937	0.8	NO
2nd	258	RECORD ROOM	210	0	165	32	3	2	192	0.914	0.8	NO
2nd	259	ADVISING OFFICE 4	135	1	340	32	2	2	128	0.948	1.1	YES
2nd	260	ADVISING OFFICE 3	135	1	340	32	2	2	128	0.948	1.1	YES
2nd	261	ASSOCIATE DIRECTOR 5	135	1	340	32	2	2	128	0.948	1.1	YES
2nd	262	ASSOCIATE DIRECTOR 4	135	1	340	32	2	2	128	0.948	1.1	YES
2nd	263	ASSOCIATE DIRECTOR 3	135	1	410	32	2	2	128	0.948	1.1	YES
2nd	264	ADVISING OFFICE 2	125	2	310	32	2	2	128	1.024	1.1	YES
2nd	265	TRANSCRIPT EVALUATOR 2	135	1	130	32	2	2	128	0.948	1.1	YES
2nd	266	ASSOCIATE DIRECTOR 2	135	2	310	32	2	2	128	0.948	1.1	YES
2nd	267	TRANSCRIPT EVALUATOR 1	135	1	130	32	2	2	128	0.948	1.1	YES
2nd	268	ASSOCIATE DIRECTOR 1	135	1	310	32	2	2	128	0.948	1.1	YES
2nd	269	ADVISING OFFICE 1	125	2	310	32	2	2	128	1.024	1.1	YES
2nd	C202S	CORRIDOR	815	0	500	32	1	17	544	0.667	0.5	NO
2nd	C207	CORRIDOR	0	0	----	0	0	0	0	0.000	0.5	YES
2nd	C208	CORRIDOR	360	0	----	40	2	6	480	1.333	0.5	NO
2nd	C209	CORRIDOR	1140	0	100	40	2	19	1520	1.333	0.5	NO
2nd	C210	CORRIDOR	170	0	----	40	2	3	240	1.412	0.5	NO
2nd	E22	ELECTRICAL CLOSET	50	0	285	32	2	2	128	2.560	1.5	NO
2nd	T22	TELECOM & AV ROOM	50	0	----	32	2	1	64	1.280	1.5	YES
			24418									
3rd	300	VENDING ALCOVE	100	0	----	32	2	3	192	1.920	0.5	NO
3rd	300A	JANITORS CLOSET	20	0	----	32	2	1	64	3.200	0.6	NO
3rd	301	FAMILY TOILET	63	0	----	32	2	1	64	1.016	0.9	NO
3rd	302	ACADEMIC SUPPORT, CAREER & COUNCIL	400	10	310	32	2	9	576	1.440	1.1	NO
3rd	302A	WAITING	230	0	310	32	2	6	384	1.670	1.1	NO
3rd	303	OFFICE SUPPORT WORK AREA	378	4	440	VARIES	VARIES	VARIES	576	1.524	1.1	NO
3rd	304	CAREER SERVICE LIBRARY COMPUTERS	1120	25	495	32	2	16	1024	0.914	1.4	YES
3rd	304A	LAB RECEPTION	128	2	100	32	2	1	64	0.500	1.1	YES

FLOOR	ROOM #	SPACE DESCRIPTION	AREA (sqft)	OCCUP ANCY	DESIGNED SA (cfm)	WATTAGE PER LAMP	NO OF LAMPS PER FIXTURE	NO OF FIXTURES	WATTS	POWER DENSITY W/SQFT	ASHRAE STD 90.1 Lighting W/ft ²	ASHRAE STD 90.1 Compliant yes/no
3rd	304B	CAREER SERVICE LIBRARY COMPUTERS	682	15	165	32	2	6	384	0.563	1.4	YES
3rd	305	CAREER SERVICE COMPUTER LAB	990	20	1800	32	2	18	1152	1.164	1.4	YES
3rd	305A	RECORDS ROOM / STORAGE	105	0	265	32	3	1	96	0.914	0.8	NO
3rd	306	ASSISTANT DIRECTOR 1	135	1	375	32	2	2	128	0.948	1.1	YES
3rd	307	ASSISTANT DIRECTOR 2	135	2	150	32	2	2	128	0.948	1.1	YES
3rd	308	ADMIN 1	135	1	150	32	2	2	128	0.948	1.1	YES
3rd	309	ADMIN 2	135	1	150	32	2	2	128	0.948	1.1	YES
3rd	310	ADMIN 3	135	1	150	32	2	2	128	0.948	1.1	YES
3rd	311	ADMIN 4	135	1	150	32	2	2	128	0.948	1.1	YES
3rd	312	ADMIN 5	135	1	150	32	2	2	128	0.948	1.1	YES
3rd	313	ADMIN 6	135	1	150	32	2	2	128	0.948	1.1	YES
3rd	314	ADMIN 7	135	1	150	32	2	2	128	0.948	1.1	YES
3rd	315	ASSISTANT DIRECTOR 3	135	2	150	32	2	2	128	0.948	1.1	YES
3rd	316	RECORDS ROOM / STORAGE	132	0	---	32	3	2	192	1.455	0.8	NO
3rd	317	ADMIN 8	135	1	150	32	2	2	128	0.948	1.1	YES
3rd	318	ADMIN 9	135	1	150	32	2	2	128	0.948	1.1	YES
3rd	319	ASSISTANT DIRECTOR 4	135	2	150	32	2	2	128	0.948	1.1	YES
3rd	320	ASSISTANT DIRECTOR 5	135	2	350	32	2	2	128	0.948	1.1	YES
3rd	321	ADMIN 10	135	1	140	32	2	2	128	0.948	1.1	YES
3rd	322	ADMIN 11	135	1	140	32	2	2	128	0.948	1.1	YES
3rd	323	ADMIN 12	135	1	140	32	2	2	128	0.948	1.1	YES
3rd	324	ADMIN 13	135	1	140	32	2	2	128	0.948	1.1	YES
3rd	325	ADMIN 14	135	1	140	32	2	2	128	0.948	1.1	YES
3rd	326	ADMIN 15	135	1	140	32	2	2	128	0.948	1.1	YES
3rd	327	ADMIN 16	135	1	140	32	2	2	128	0.948	1.1	YES
3rd	328	ADMIN 17	135	1	140	32	2	2	128	0.948	1.1	YES
3rd	329	ADMIN 21	135	1	140	32	2	2	128	0.948	1.1	YES
3rd	330	ASSISTANT DIRECTOR 6	135	2	420	32	2	2	128	0.948	1.1	YES
3rd	331	ASSISTANT DIRECTOR 7	135	2	500	32	2	2	128	0.948	1.1	YES
3rd	332	ASSISTANT DIRECTOR 8	135	2	500	32	2	2	128	0.948	1.1	YES
3rd	333	DIRECTOR OFFICE	150	1	500	32	2	2	128	0.853	1.1	YES
3rd	334	CONFERENCE ROOM 3	390	20	1840	VARIES	VARIES	VARIES	534	1.369	1.3	NO
3rd	335	ADMIN 20	135	1	280	32	2	2	128	0.948	1.1	YES
3rd	336	ADMIN 19	135	1	280	32	2	2	128	0.948	1.1	YES
3rd	337	ADMIN 18	135	1	280	32	2	2	128	0.948	1.1	YES
3rd	338	RECORDS ROOM STORAGE	135	0	280	32	2	2	128	0.948	0.8	NO
3rd	T31	TELECOM & AV	60	0	----	32	2	2	128	2.133	1.5	NO
3rd	E31	ELECTRICAL CLOSET	45	0	285	32	2	1	64	1.422	1.5	YES
3rd	C301	CORRIDOR	800	0	400	VARIES	VARIES	VARIES	992	1.240	0.5	NO
3rd	C301A	CORRIDOR	560	0	1000	32	1	6	192	0.343	0.5	YES
3rd	C302	CORRIDOR	800	0	500	32	1	16	512	0.640	0.5	NO
3rd	C303	CORRIDOR	850	0	200	40	2	16	1280	1.506	0.5	NO
3rd	C304	CORRIDOR	220	0	---	40	2	4	320	1.455	0.5	NO
3rd	C305	CORRIDOR	220	0	---	40	2	4	320	1.455	0.5	NO
3rd	C306	CORRIDOR	220	0	100	40	2	4	320	1.455	0.5	NO
3rd	C307	CORRIDOR	360	0	---	40	2	6	480	1.333	0.5	NO
3rd	R31	WOMEN TOILET ROOM	230	0	175	32	2	12	768	3.339	0.9	NO
3rd	R32	MEN TOILET ROOM	225	0	175	32	2	12	768	3.413	0.9	NO
3rd	339	CONFERENCE ROOM 4	625	30	800	VARIES	VARIES	VARIES	1524	2.438	1.3	NO
3rd	340	RECEPTION	540	4	360	32	2	12	768	1.422	1.1	NO
3rd	341	OFFICE SUPPORT WORK AREA	255	2	235	32	2	3	192	0.753	1.1	YES
3rd	342	STORAGE	225	0	1000	32	3	2	192	0.853	0.8	NO
3rd	343	ADAPTIVE LAB	283	5	290	32	2	6	384	1.357	1.4	YES
3rd	344	ADMIN 22	135	1	150	32	2	2	128	0.948	1.1	YES
3rd	345	LAB RECEPTION	150	4	150	32	2	2	128	0.853	1.1	YES
3rd	346	LAC COMPUTER LAB	925	19	1590	32	2	20	1280	1.384	1.4	YES
3rd	347	LARGE TUTORING LAB	1980	50	1320	32	2	32	2048	1.034	1.4	YES
3rd	348	ADMIN 23	125	1	310	32	2	2	128	1.024	1.1	YES
3rd	349	ADMIN 24	135	1	310	32	2	2	128	0.948	1.1	YES
3rd	350	ADMIN 25	135	1	310	32	2	2	128	0.948	1.1	YES
3rd	351	ASSISTANT DIRECTOR 9	135	2	310	32	2	2	128	0.948	1.1	YES
3rd	352	LAC WRITE LAB	330	17	590	32	2	5	320	0.970	1.4	YES
3rd	353	ASSISTANT DIRECTOR 10	135	2	350	32	2	2	128	0.948	1.1	YES
3rd	354	SMALL TUTORING 1	140	4	350	32	2	2	128	0.914	1.4	YES
3rd	355	SMALL TUTORING 2	140	4	350	32	2	2	128	0.914	1.4	YES
3rd	356	SMALL TUTORING 3	140	4	350	32	2	2	128	0.914	1.4	YES
3rd	357	SMALL TUTORING 4	140	4	350	32	2	2	128	0.914	1.4	YES
3rd	358	ASSISTANT DIRECTOR 11	140	2	350	32	2	2	128	0.914	1.1	YES
3rd	359	TEST CENTER RECEPTION	335	4	340	32	2	9	576	1.719	1.1	NO
3rd	360	LARGE TESTING ROOM	1580	32	3920	VARIES	VARIES	VARIES	1976	1.251	1.4	YES
3rd	361	TEST CENTER COORDINATOR	140	2	135	32	2	2	128	0.914	1.1	YES
3rd	362	STORAGE	370	0	100	32	3	4	384	1.038	0.8	NO
3rd	363	TOILET	42	0	---	32	2	1	64	1.524	0.9	NO
3rd	364	TOILET	42	0	---	32	2	1	64	1.524	0.9	NO
3rd	365	OFFICE SUPPORT WORK AREA	125	2	135	32	2	2	128	1.024	1.1	YES
3rd	366	TEST CENTER RECEPTION	330	4	690	32	2	9	576	1.745	1.1	NO
3rd	367	COMPUTER PLACEMENT TESTING ROOM	900	16	2040	32	2	18	1152	1.280	1.4	YES
3rd	368	PROMETRIC TESTING ROOM	415	8	1095	32	2	10	640	1.542	1.4	NO
3rd	369	READER/ WRITER TESTING ROOM	135	3	350	32	2	2	128	0.948	1.4	YES
3rd	370	READER/ WRITER TESTING ROOM	135	3	350	32	2	2	128	0.948	1.4	YES
3rd	E32	ELECTRICAL CLOSET	50	0	285	32	2	1	64	1.280	1.5	YES

FLOOR	ROOM #	SPACE DESCRIPTION	AREA (sqft)	OCCUP ANCY	DESIGNED SA (cfm)	WATTAGE PER LAMP	NO OF LAMPS PER FIXTURE	NO OF FIXTURES	WATTS	POWER DENSITY W/SQFT	ASHRAE STD 90.1 Lighting W/ft ²	ASHRAE STD 90.1 Compliant yes/no
3rd	T32	TELECOM & AV	50	0	---	32	2	1	64	1.280	1.5	YES
3rd	C309	CORRIDOR	400	0	100	40	2	4	320	0.800	0.5	NO
3rd	C310	CORRIDOR	380	0	200	40	2	7	560	1.474	0.5	NO
			25770									
4th	400	PRIVATE DINING ROOM 1	2995	200	6660	75	1	63	4725	1.578	0.9	NO
4th	400A	TERRACE	1385	92	---	VARIES	VARIES	VARIES	936	0.676	0.9	YES
4th	401	PRIVATE DINING ROOM 2	1360	90	2700	75	1	24	1800	1.324	0.9	NO
4th	402	PANTRY	340	4	600	32	3	4	384	1.129	0.8	NO
4th	403	STORAGE	320	0	340	32	3	3	288	0.900	0.8	NO
4th	C402A	JANITORS CLOSET	40	0	---	32	2	1	64	1.600	0.6	NO
4th	C400	CORRIDOR	809	0	1600	32	2	10	640	0.791	0.5	NO
4th	C401	CORRIDOR	1350	0	900	VARIES	VARIES	VARIES	2052	1.520	0.5	NO
4th	C402	CORRIDOR	185	0	100	32	1	4	128	0.692	0.5	NO
4th	R41	WOMEN TOILET ROOM	245	0	150	32	2	8	512	2.090	0.9	NO
4th	R42	MEN TOILET ROOM	198	0	150	32	2	9	576	2.909	0.9	NO
4th	E41	ELECTRICAL CLOSET	40	0	285	32	2	1	64	1.600	1.5	NO
			9267									
			90,287									
			TOTAL (sqft)	TOTAL (people)	TOTAL (cfm)				TOTAL (Watts)	OVERALL (W/sqft)	AVG	
		TOTALS	90,287	2,090	120,353				100418	1.112	1.2	YES

SSB

Location	Howard County, MD
Building owner	Howard Community College
Program user	Jason Fair
Company	PSU AE
Comments	

By	ae
Dataset name	P:\THESIS\Tech Report 2\HCC_SSB.trc
Calculation time	08:06 AM on 11/05/2005
TRACE® 700 version	4.1

Location	Baltimore, Maryland	
Latitude	39.0	deg
Longitude	76.0	deg
Time Zone	5	
Elevation	146	ft
Barometric pressure	29.8	in. Hg

Air density	0.0756	lb/cu ft
Air specific heat	0.2444	Btu/lb.°F
Density-specific heat product	1.1091	Btu/h-cfm.°F
Latent heat factor	4,881.9	Btu-min/h-cu ft
Enthalpy factor	4.5371	lb-min/hr-cu ft

Summer design dry bulb	91	°F
Summer design wet bulb	77	°F
Winter design dry bulb	13	°F
Summer clearness number	0.85	
Winter clearness number	0.85	
Summer ground reflectance	0.20	
Winter ground reflectance	0.20	

Design simulation period	January - December
Cooling load methodology	TETD-TA1
Heating load methodology	UATD



System Checksums

By ae

AHU-1

Variable Volume Reheat (30% Min Flow Default)

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 9		Mo/Hr: 13 / 1						Cooling		Heating
Outside Air:		OADB/WB/HR: 91 / 77 / 118		OADB: 78		OADB: 13						SADB	57.7	76.6
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads				Envelope Loads				Envelope Loads						
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0
Roof Cond	0	19,233	1.39	0	0.00	0	-45,833	6.61	0	0	0.00	0	0	0
Glass Solar	137,789	0	9.99	217,969	24.17	0	0	0.00	0	0	0.00	0	0	0
Glass Cond	22,830	0	1.66	4,409	0.49	-83,305	-83,305	12.02	0	0	0.00	0	0	0
Wall Cond	1,346	2,665	0.29	1,798	0.20	-3,252	-10,651	1.54	0	0	0.00	0	0	0
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0
Infiltration	0	0	0.00	0	0.00	-7	-7	0.00	0	0	0.00	0	0	0
Sub Total ==>	161,965	21,898	183,863	13.33	224,176	24.86	-86,564	20.18	-139,796	20.18				
Internal Loads				Internal Loads				Internal Loads						
Lights	503,981	125,995	629,977	45.68	503,981	55.89	0	0	0.00	0	0	0	0	0
People	169,412	0	169,412	12.29	98,031	10.87	0	0	0.00	0	0	0	0	0
Misc	48,186	0	48,186	3.49	48,186	5.34	0	0	0.00	0	0	0	0	0
Sub Total ==>	721,579	125,995	847,575	61.46	650,199	72.10	0	0	0.00	0	0.00			
Ceiling Load	31,259	-31,259	0	0.00	27,307	3.03	-23,300	0	0.00	0	0.00			
Ventilation Load	0	0	365,183	26.48	0	0.00	0	-214,161	30.91	0	0.00			
Ov/Undr Sizing	97	0	97	0.01	105	0.01	0	0	0.00	0	0.00			
Exhaust Heat	0	-17,751	-17,751	-1.29	0	0.00	0	6,713	-0.97	0	0.00			
Sup. Fan Heat	0	0	0	0.00	0	0.00	0	-208,523	30.09	0	0.00			
Ret. Fan Heat	0	0	0	0.00	0	0.00	0	-137,144	19.79	0	0.00			
Duct Heat Pkup	0	0	0	0.00	0	0.00	0	0	0.00	0	0.00			
Reheat at Design	0	0	0	0.00	0	0.00	0	0	0.00	0	0.00			
Grand Total ==>	914,900	98,883	1,378,966	100.00	901,786	100.00	-109,864	-692,912	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg						
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)		MBh	cfm	°F	°F						
Main Clg	114.9	1,379.0	1,061.2	43,887	79.5	65.8	73.6	57.7	55.7	63.3							
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0							
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0							
Total	114.9	1,379.0															

TEMPERATURES					AIRFLOWS					ENGINEERING CKS						
SADB	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	Cooling	Heating	Vent	Infil	Supply	MinStop/Rh	Return	Exhaust	Rm Exh	Auxiliary
							57.7	76.6	7,597	0	46,918	15,116	46,918	7,597	0	0
							77.4	68.2	0	0	15,116	15,116	46,918	3,844	0	0
							77.4	68.2	0	0	15,116	15,116	46,918	3,844	0	0
							79.5	55.8	0	0	46,918	15,116	46,918	3,844	0	0
							0.0	0.0	0	0	15,116	15,116	46,918	3,844	0	0
							0.0	0.0	0	0	15,116	15,116	46,918	3,844	0	0
							0.0	0.0	0	0	15,116	15,116	46,918	3,844	0	0

ENGINEERING CKS				
% OA	cfm/ft²	cfm/ton	ft²/ton	Btu/hr-ft²
16.2	1.12	408.29	364.98	32.88
25.4	0.36			-16.53
				396

System Checksums

By ae

AHU-2

Variable Volume Reheat (30% Min Flow Default)

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time: Mo/Hr: 7 / 15				Mo/Hr: 9 / 10				Mo/Hr: 13 / 1									
Outside Air: OADB/WB/HR: 91 / 77 / 118				OADB: 72				OADB: 13									
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)									
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h										
Envelope Loads				Envelope Loads				Envelope Loads				AIRFLOWS					
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Cooling			Heating					
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	8,400			4,413					
Roof Cond	0	5,444	0.62	0	0.00	Roof Cond	-12,534	2.34	Infil			0					
Glass Solar	54,619	0	6.22	97,021	27.22	Glass Solar	0	0.00	Supply			16,240					
Glass Cond	9,763	0	1.11	-1,953	-0.55	Glass Cond	-35,640	6.66	MinStop/Rh			5,688					
Wall Cond	336	1,334	0.19	206	0.06	Wall Cond	-1,332	1.23	Return			16,240					
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Exhaust			8,400					
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Rm Exh			0					
Infiltration	0	0	0.00	0	0.00	Infiltration	-5	0.00	Auxiliary			0					
Sub Total ==>	64,718	6,777	8.15	95,275	26.73	Sub Total ==>	-36,977	10.24									
Internal Loads				Internal Loads				Internal Loads				ENGINEERING CKS					
Lights	111,044	27,761	15.82	111,044	31.15	Lights	0	0.00	% OA			51.7					
People	186,000	0	21.20	104,700	29.37	People	0	0.00	cfm/ft²			0.46					
Misc	34,374	0	3.92	34,374	9.64	Misc	0	0.00	cfm/ton			222.07					
Sub Total ==>	331,418	27,761	40.93	250,118	70.17	Sub Total ==>	0	0.00	ft³/ton			477.88					
Ceiling Load	13,830	-13,830	0.00	10,540	2.96	Ceiling Load	-11,331	0.00	Btu/hr-ft²			25.11					
Ventilation Load	0	0	52.25	0	0.00	Ventilation Load	0	52.16	No. People			422					
Ov/Undr Sizing	0	0	0.00	521	0.15	Ov/Undr Sizing	0	0.00									
Exhaust Heat	-11,636	-11,636	-1.33			Exhaust Heat	5,009	-0.94									
Sup. Fan Heat	0	0	0.00			OA Preheat Diff.	-186,621	34.89									
Ret. Fan Heat	0	0	0.00			RA Preheat Diff.	-19,467	3.64									
Duct Heat Pkup	0	0	0.00			Additional Reheat	0	0.00									
Reheat at Design	0	0	0.00			Grand Total ==>	-48,309	-534,837									
Grand Total ==>	409,966	9,073	877,548	100.00	356,454	100.00	Grand Total ==>	100.00									
COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass				Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	cfm	°F °F gr/lb	°F °F gr/lb		ft² (%)				MBh	cfm	°F	°F				
Main Clg	73.1	877.6	486.8	14,974	84.5	71.3	95.1	55.2	53.4	58.3	Main Htg	-141.6	5,688	55.2	77.7		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-393.2	8,400	13.0	55.2		
Total	73.1	877.6									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-534.8					

System Checksums

By ae

AHU-3

Variable Volume Reheat (30% Min Flow Default)

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 11			Mo/Hr: 9 / 10		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 84 / 74 / 111			OADB: 72		OADB: 13			SADB		88.3					
	Space	Plenum	Net	Percent	Space	Percent	Space Peak	Coil Peak	Percent	Space Peak	Coil Peak	Percent	Return				
	Sens. + Lat.	Sens. + Lat.	Total	Of Total	Sensible	Of Total	Space Sens	Tot Sens	Of Total	Space Sens	Tot Sens	Of Total	Ret/OA				
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD				
													Fn BldTD				
													Fn Frict				
Envelope Loads																	
	Skylite Solar	0	0	0	0.00	0	0.00	Skylite Solar	0	0	0.00	Skylite Solar	0	0	0.00		
	Skylite Cond	0	0	0	0.00	0	0.00	Skylite Cond	0	0	0.00	Skylite Cond	0	0	0.00		
	Roof Cond	0	1,779	1,779	0.71	0	0.00	Roof Cond	0	-10,276	5.66	Roof Cond	0	0	0.00		
	Glass Solar	75,980	0	75,980	30.14	101,683	67.67	Glass Solar	0	0	0.00	Glass Solar	0	0	0.00		
	Glass Cond	5,534	0	5,534	2.19	-1,990	-1.32	Glass Cond	-36,316	-36,316	20.01	Glass Cond	-36,316	-36,316	20.01		
	Wall Cond	3,361	2,128	5,489	2.18	3,016	2.01	Wall Cond	-5,230	-8,310	4.58	Wall Cond	-5,230	-8,310	4.58		
	Partition	0	0	0	0.00	0	0.00	Partition	0	0	0.00	Partition	0	0	0.00		
	Exposed Floor	0	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00	Exposed Floor	0	0	0.00		
	Infiltration	0	0	0	0.00	0	0.00	Infiltration	-1	-1	0.00	Infiltration	-1	-1	0.00		
	Sub Total ==>	84,875	3,907	88,781	35.21	102,709	68.36	Sub Total ==>	-41,547	-54,903	30.26	Sub Total ==>	-41,547	-54,903	30.26		
Internal Loads																	
	Lights	18,146	4,537	22,683	9.00	18,146	12.08	Lights	0	0	0.00	Lights	0	0	0.00		
	People	56,800	0	56,800	22.53	28,500	18.97	People	0	0	0.00	People	0	0	0.00		
	Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00	Misc	0	0	0.00		
	Sub Total ==>	74,946	4,537	79,483	31.52	46,646	31.04	Sub Total ==>	0	0	0.00	Sub Total ==>	0	0	0.00		
Ceiling Load																	
	Lights	1,558	-1,558	0	0.00	901	0.60	Lights	-5,141	0	0.00	Lights	-5,141	0	0.00		
	Ventilation Load	0	0	86,115	34.16	0	0.00	Ventilation Load	0	-54,106	29.82	Ventilation Load	0	-54,106	29.82		
	Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0	0.00	Ov/Undr Sizing	0	0	0.00		
	Exhaust Heat	0	-2,252	-2,252	-0.89	0	0.00	Exhaust Heat	0	3,059	-1.69	Exhaust Heat	0	3,059	-1.69		
	Sup. Fan Heat	0	0	0	0.00	0	0.00	OA Preheat Diff.	0	-59,033	32.53	OA Preheat Diff.	0	-59,033	32.53		
	Ret. Fan Heat	0	0	0	0.00	0	0.00	RA Preheat Diff.	0	-16,473	9.08	RA Preheat Diff.	0	-16,473	9.08		
	Duct Heat Pkup	0	0	0	0.00	0	0.00	Additional Reheat	0	0	0.00	Additional Reheat	0	0	0.00		
	Reheat at Design	0	0	0	0.00	0	0.00										
	Grand Total ==>	161,379	4,633	252,127	100.00	150,256	100.00	Grand Total ==>	-46,688	-181,456	100.00	Grand Total ==>	-46,688	-181,456	100.00		

TEMPERATURES		
	Cooling	Heating
SADB	56.5	88.3
Plenum	76.0	66.8
Return	76.0	66.8
Ret/OA	78.5	46.8
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS		
	Cooling	Heating
Vent	2,080	856
Infil	0	0
Supply	7,317	2,299
MinStop/Rh	2,299	2,299
Return	7,317	2,299
Exhaust	2,080	856
Rm Exh	0	0
Auxiliary	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	28.4	37.2
cfm/ft²	1.45	0.46
cfm/ton	348.24	
ft³/ton	239.64	
Btu/hr-ft²	50.07	-36.04
No. People	104	

COOLING COIL SELECTION										
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			
	ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	
Main Clg	21.0	252.1	158.2	6,480	78.5	66.7	79.9	56.5	54.2	59.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	21.0	252.1								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	5,035		
Part	0		
ExFlr	0		
Roof	5,035	0	0
Wall	3,786	2,144	57

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-81.2	2,299	56.5	88.3
Aux Htg	0.0	0	0.0	0.0
Preheat	-100.3	2,080	13.0	56.5
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-181.5			

System Checksums

By ae

AHU-4

Variable Volume Reheat (30% Min Flow Default)

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 8			Mo/Hr: 7 / 9		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 76 / 72 / 111			OADB: 78		OADB: 13			SADB		86.9					
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict				
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h										
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00									
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00									
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00									
Glass Solar	121,697	0	39.88	121,257	65.49	Glass Solar	0	0.00									
Glass Cond	291	0	0.10	1,304	0.70	Glass Cond	-24,649	12.02									
Wall Cond	303	368	0.22	270	0.15	Wall Cond	-1,841	1.91									
Partition	0	0	0.00	0	0.00	Partition	0	0.00									
Exposed Floor	1,878	0	0.62	1,686	0.91	Exposed Floor	-18,603	9.07									
Infiltration	0	0	0.00	0	0.00	Infiltration	-1	0.00									
Sub Total ==>	124,170	368	40.81	124,517	67.26	Sub Total ==>	-45,093	22.99									
Internal Loads																	
Lights	21,166	5,292	8.67	21,166	11.43	Lights	0	0.00									
People	69,440	0	22.75	35,217	19.02	People	0	0.00									
Misc	3,080	0	1.01	3,080	1.66	Misc	0	0.00									
Sub Total ==>	93,687	5,292	32.43	59,463	32.12	Sub Total ==>	0	0.00									
Ceiling Load																	
Ceiling Load	1,169	-1,169	0.00	1,160	0.63	Ceiling Load	-845	0.00									
Ventilation Load	0	0	27.22	0	0.00	Ventilation Load	0	71.14									
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00									
Exhaust Heat		-1,395	-0.46			Exhaust Heat		-0.58									
Sup. Fan Heat		0	0.00			OA Preheat Diff.		5.22									
Ret. Fan Heat		0	0.00			RA Preheat Diff.		1.23									
Duct Heat Pkup		0	0.00			Additional Reheat		0.00									
Reheat at Design		0	0.00														
Grand Total ==>	219,026	3,095	100.00	185,140	100.00	Grand Total ==>	-45,939	100.00									

AIRFLOWS															
		Cooling	Heating												
Vent		2,540	2,308												
Infil		0	0												
Supply		8,205	2,462												
MinStop/Rh		2,462	2,462												
Return		8,205	2,462												
Exhaust		2,540	2,308												
Rm Exh		0	0												
Auxiliary		0	0												

ENGINEERING CKS															
		Cooling	Heating												
% OA		31.0	93.8												
cfm/ft²		1.10	0.33												
cfm/ton		322.63													
ft³/ton		292.97													
Btu/hr-ft²		40.96	-27.56												
No. People		130													

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	25.4	305.2	189.8	8,190	75.6	65.7	79.7	54.7	53.5	59.8	Main Htg	-88.0	2,462	54.7	86.9		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-117.3	2,540	13.0	54.7		
Total	25.4	305.2									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-205.3					

System Checksums

By ae

AHU-5

Variable Volume Reheat (30% Min Flow Default)

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 6 / 18					Mo/Hr: 13 / 1							
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 84					OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)				SADB	Cooling	Heating			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h										
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00					
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00					
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Roof Cond	0	0	0.00					
Glass Solar	29,543	0	1.13	36,976	2.39	0	0	0.00	Glass Solar	0	0	0.00					
Glass Cond	9,116	0	0.35	5,014	0.32	-33,277	-33,277	3.50	Glass Cond	-33,277	-33,277	3.50					
Wall Cond	180	141	0.01	127	0.01	-906	-1,928	0.20	Wall Cond	-906	-1,928	0.20					
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00					
Infiltration	0	0	0.00	0	0.00	-1	-1	0.00	Infiltration	-1	-1	0.00					
Sub Total ==>	38,838	141	1.49	42,117	2.72	-34,183	-35,205	3.70	Sub Total ==>	-34,183	-35,205	3.70					
Internal Loads																	
Lights	1,333,860	333,465	63.75	1,333,860	86.20	0	0	0.00	Lights	0	0	0.00					
People	322,850	0	12.34	161,425	10.43	0	0	0.00	People	0	0	0.00					
Misc	0	0	0.00	0	0.00	0	0	0.00	Misc	0	0	0.00					
Sub Total ==>	1,656,710	333,465	76.10	1,495,285	96.63	0	0	0.00	Sub Total ==>	0	0	0.00					
Ceiling Load	9,864	-9,864	0.00	9,839	0.64	325	0	0.00	Ceiling Load	325	0	0.00					
Ventilation Load	0	0	24.13	0	0.00	0	-248,329	26.10	Ventilation Load	0	-248,329	26.10					
Ov/Undr Sizing	174	0	0.01	174	0.01	0	0	0.00	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat		-45,191	-1.73				208	-0.02	Exhaust Heat		208	-0.02					
Sup. Fan Heat		0	0.00				-393,782	41.39	OA Preheat Diff.		-393,782	41.39					
Ret. Fan Heat		0	0.00				-274,264	28.83	RA Preheat Diff.		-274,264	28.83					
Duct Heat Pkup		0	0.00				0	0.00	Additional Reheat		0	0.00					
Reheat at Design		0	0.00														
Grand Total ==>	1,705,587	278,550	100.00	1,547,416	100.00	-33,858	-951,372	100.00	Grand Total ==>	-33,858	-951,372	100.00					

AIRFLOWS															
			Cooling	Heating											
Vent			11,740	3,928											
Infil			0	0											
Supply			84,313	25,433											
MinStop/Rh			25,433	25,433											
Return			84,313	25,433											
Exhaust			11,740	3,928											
Rm Exh			0	0											
Auxiliary			0	0											

ENGINEERING CKS															
			Cooling	Heating											
% OA			13.9	15.4											
cfm/ft²			8.47	2.56											
cfm/ton			386.86												
ft²/ton			45.65												
Btu/hr-ft²			262.87	-95.67											
No. People			587												

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass				Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	cfm	°F °F gr/lb	°F °F gr/lb		ft² (%)				MBh	cfm	°F	°F				
Main Clg	217.9	2,615.3	2,031.0	84,136	80.2	66.1	73.9	58.5	56.1	64.0	Main Htg	-360.0	25,433	58.5	71.2		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-591.8	11,740	13.0	58.5		
Total	217.9	2,615.3									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-951.9					

System Checksums

By ae

AHU-6

Variable Volume Reheat (30% Min Flow Default)

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 3 / 12					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 55					OADB: 13					SADB	55.0	70.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total			Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total		Plenum	84.9	70.0		
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)			Btu/h	Btu/h	(%)		Return	84.9	70.0		
Envelope Loads																	
Skylite Solar	0	0	0	0.00	0	0.00			Skylite Solar	0	0	0.00	Ret/OA	84.9	69.9		
Skylite Cond	0	0	0	0.00	0	0.00			Skylite Cond	0	0	0.00	Fn MtrTD	0.0	0.0		
Roof Cond	0	0	0	0.00	0	0.00			Roof Cond	0	0	0.00	Fn BldTD	0.0	0.0		
Glass Solar	0	0	0	0.00	0	0.00			Glass Solar	0	0	0.00	Fn Frict	0.0	0.0		
Glass Cond	0	0	0	0.00	0	0.00			Glass Cond	0	0	0.00					
Wall Cond	0	0	0	0.00	0	0.00			Wall Cond	0	0	0.00					
Partition	0	0	0	0.00	0	0.00			Partition	0	0	0.00					
Exposed Floor	0	0	0	0.00	0	0.00			Exposed Floor	0	0	0.00					
Infiltration	0	0	0	0.00	0	0.00			Infiltration	0	0	0.00					
Sub Total ==>	0	0	0	0.00	0	0.00			Sub Total ==>	0	0	0.00					
Internal Loads																	
Lights	5,242	1,310	6,552	0.48	5,242	0.38			Lights	0	0	0.00	Supply	41,042	12,312		
People	3,650		3,650	0.27	1,875	0.14			People	0	0	0.00	MinStop/Rh	12,312	12,312		
Misc	1,353,868	0	1,353,868	99.07	1,353,868	99.33			Misc	0	0	0.00	Return	41,042	12,312		
Sub Total ==>	1,362,759	1,310	1,364,070	99.82	1,360,984	99.85			Sub Total ==>	0	0	0.00	Exhaust	40	23		
Ceiling Load																	
	2,038	-2,038	0	0.00	2,038	0.15				0	0	0.00	Rm Exh	0	0		
Ventilation Load	0	0	2,966	0.22	0	0.00			Ventilation Load	0	-1,436	0.69	Auxiliary	0	0		
Ov/Undr Sizing	0		0	0.00	0	0.00			Ov/Undr Sizing	0	0	0.00					
Exhaust Heat		-441	-441	-0.03					Exhaust Heat		0	0.00					
Sup. Fan Heat			0	0.00					OA Preheat Diff.		-805	0.39					
Ret. Fan Heat		0	0	0.00					RA Preheat Diff.		-204,436	98.92					
Duct Heat Pkup		0	0	0.00					Additional Reheat		0	0.00					
Reheat at Design			0	0.00													
Grand Total ==>	1,364,797	-1,168	1,366,595	100.00	1,363,022	100.00			Grand Total ==>	0	-206,676	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	113.9	1,366.6	41,042	84.9	59.9	37.5	55.0	47.5	37.0	Floor	1,700	Main Htg	-204.8	12,312	55.0	70.0	
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	-1.9	40	13.0	55.0	
										Roof	0	Humidif	0.0	0	0.0	0.0	
										Wall	0	Opt Vent	0.0	0	0.0	0.0	
Total	113.9	1,366.6										Total	-206.7				

TRACE® 700 Economic Summary

By ae

Project Information

Weather file Baltimore, Maryland
 Project Name SSB
 Location Howard County, MD
 Building Owner Howard Community College
 User Jason Fair
 Company PSU AE
 Comments

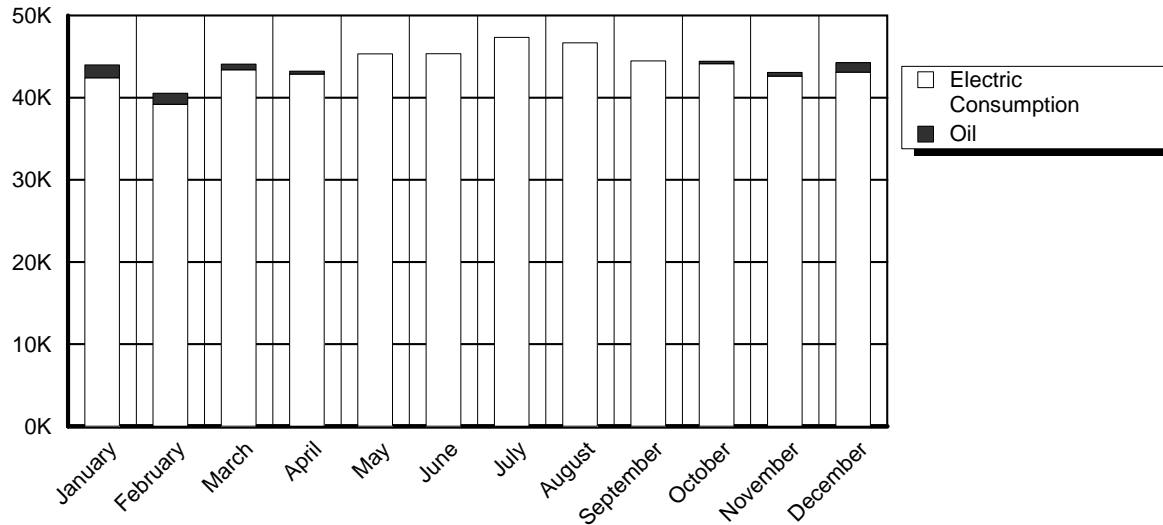
Alternative 1 - - HCC Student Services Building

Economic Summary

Alternative Number	Installed Cost	First Year Util. Cost	Final Year Util. Cost	First Year Maint. Cost	Final Year Maint. Cost	Life Cycle Cost
1	0.00	532,771.21	532,771.21	0.00	0.00	4,535,781.81

Monthly Utility Costs per Utility

(1 alternative)



Equipment Energy Consumption by Alternative

	Elect Cons. (kWh)	Oil Cons. (therms)	Water Cons. (1000 gals)	Percent of Total Energy	Total Source Energy* (kBtu/yr)
Alternative: 1 - HCC Student Services Building					
Primary heating	24,130.5	7,406.7		2.7%	10,267.5
Cooling Compressor	1,099,181.1			12.4%	112,556.4
Tower/Cond Fans	303,243.4		7,963.4	3.4%	31,052.2
Condenser Pump	269,079.3			3.0%	27,553.8
Circ Pumps	349,123.9			3.9%	35,750.4
Lighting	6,395,603.5			72.0%	654,911.3
Totals	8,660,764.0	7,406.7	7,963.4	100.0%	894,660.8

* Note: Resource Utilization factors are included in the Total Source Energy value.

Room Checksums

By ae

100-ATRIUM

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 9			Mo/Hr: 7 / 9		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 78 / 72 / 107			OADB: 78		OADB: 13			SADB		84.6					
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Return					
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA					
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	Fn MtrTD	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	Fn BldTD	0.0	0.0			
Roof Cond	0	627	0.28	0	0.00	0	-4,191	3.27	0	0	0.00	Fn Frict	0.0	0.0			
Glass Solar	155,753	0	70.78	155,753	86.82	0	0	0.00	0	0	0.00						
Glass Cond	2,257	0	1.03	2,257	1.26	-42,626	-42,626	33.24	0	0	0.00						
Wall Cond	1,454	1,855	1.50	1,454	0.81	-1,544	-3,543	2.76	0	0	0.00						
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Sub Total ==>	159,463	2,482	73.59	159,463	88.88	-44,171	-50,360	39.27									
Internal Loads																	
Lights	3,413	853	1.94	3,413	1.90	0	0	0.00	0	0	0.00						
People	27,027	0	12.28	15,015	8.37	0	0	0.00	0	0	0.00						
Misc	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Sub Total ==>	30,440	853	14.22	18,428	10.27	0	0	0.00									
Ceiling Load																	
Ventilation Load	1,515	-1,515	0.00	1,326	0.74	-1,132	0	0.00	0	0	0.00						
Ov/Undr Sizing	0	0	13.27	0	0.00	0	0	0.00	0	0	0.00						
Exhaust Heat	0	-2,388	-1.09	188	0.11	0	0	0.00	0	0	0.00						
Sup. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Ret. Fan Heat	0	0	0.00	0	0.00	0	-44,631	34.81	0	0	0.00						
Duct Heat Pkup	0	0	0.00	0	0.00	0	-32,745	25.54	0	0	0.00						
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Grand Total ==>	191,418	-568	100.00	179,406	100.00	-45,303	-128,228	100.00									

AIRFLOWS														
		Cooling		Heating										
Vent	901	0	0											
Infil	0	0	0											
Supply	9,334	2,800	2,800											
MinStop/Rh	2,800	2,800	2,800											
Return	9,334	2,800	2,800											
Exhaust	901	0	0											
Rm Exh	0	0	0											
Auxil	0	0	0											

ENGINEERING CKS														
		Cooling		Heating										
% OA	9.7	0.0	0.0											
cfm/ft²	4.67	1.40	1.40											
cfm/ton	509.01													
ft²/ton	109.06													
Btu/hr-ft²	110.03	-64.11	-64.11											
No. People	60													

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total		Glass		Capacity	Coil Airflow	Ent	Lvg						
ton	MBh	cfm	°F °F gr/lb	°F °F gr/lb		ft² (%)		MBh	cfm	°F	°F							
Main Clg	18.3	220.1	181.9	9,334	77.5	64.3	69.6	57.7	56.6	67.2	Main Htg	-83.6	2,800	57.7	84.6			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-44.6	901	13.0	57.7			
Total	18.3	220.1									Humidif	0.0	0	0.0	0.0			
											Opt Vent	0.0	0	0.0	0.0			
											Total	-128.2						

Room Checksums

By ae

101-FAMILY TOILET

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling			Heating		
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91			OADB: 13				SADB	57.7	77.5	Plenum	77.4	68.2
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Ret/OA	77.4	68.2	Fn MtrTD	0.0	0.0
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn BldTD	0.0	0.0	Fn Frict	0.0	0.0
Envelope Loads																	
Skylite Solar	0	0	0	0.00	0	0.00	Skylite Solar	0	0	0.00							
Skylite Cond	0	0	0	0.00	0	0.00	Skylite Cond	0	0	0.00							
Roof Cond	0	0	0	0.00	0	0.00	Roof Cond	0	0	0.00							
Glass Solar	0	0	0	0.00	0	0.00	Glass Solar	0	0	0.00							
Glass Cond	0	0	0	0.00	0	0.00	Glass Cond	0	0	0.00							
Wall Cond	0	0	0	0.00	0	0.00	Wall Cond	0	0	0.00							
Partition	0	0	0	0.00	0	0.00	Partition	0	0	0.00							
Exposed Floor	0	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00							
Infiltration	0	0	0	0.01	0	0.01	Infiltration	0	0	0.08							
Sub Total ==>	0	0	0	0.01	0	0.01	Sub Total ==>	0	0	0.08							
Internal Loads																	
Lights	174	44	218	99.99	174	82.74	Lights	0	0	0.00							
People	0	0	0	0.00	0	0.00	People	0	0	0.00							
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00							
Sub Total ==>	174	44	218	99.99	174	82.74	Sub Total ==>	0	0	0.00							
Ceiling Load																	
Ventilation Load	36	-36	0	0.00	32	15.11	Ceiling Load	-27	0	0.00							
Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00							
Exhaust Heat	0	0	0	0.00	5	2.15	Ov/Undr Sizing	0	0	0.00							
Sup. Fan Heat	0	0	0	0.00			Exhaust Heat	0	0	0.00							
Ret. Fan Heat	0	0	0	0.00			OA Preheat Diff.	0	0	0.00							
Duct Heat Pkup	0	0	0	0.00			RA Preheat Diff.	0	0	0.00							
Reheat at Design	0	0	0	0.00			Additional Reheat	-38	53.26								
							System Plenum Heat	-34	46.66								
Grand Total ==>	211	7	218	100.00	211	100.00	Grand Total ==>	-27	-72	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.0	0.2	11	77.4	63.4	65.5	57.7	56.2	65.5	Floor	48	-0.1	3	57.7	77.5		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.0	0.2								Roof	0	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
										Humidif	0.0	0	0.0	0.0	0.0		
										Opt Vent	0.0	0	0.0	0.0	0.0		
										Total	-0.1						

AIRFLOWS			ENGINEERING CKS		
	Cooling	Heating	% OA	Cooling	Heating
Vent	0	0	% OA	0.0	0.0
Infil	0	0	cfm/ft²	0.23	0.07
Supply	11	3	cfm/ton	603.64	
MinStop/Rh	3	3	ft²/ton	2,643.15	
Return	11	3	Btu/hr-ft²	4.54	-1.51
Exhaust	0	0	No. People	0	
Rm Exh	0	0			
Auxil	0	0			

Room Checksums

By ae

102-ELEV MECH ROOM

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating			
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	57.7	68.0	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	77.4	68.2	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	77.4	68.2	
Envelope Loads					Envelope Loads			Envelope Loads							
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn MtrTD			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn BldTD			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Roof Cond	0	0.00	Fn Frict			
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Glass Solar	0	0.00				
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	Glass Cond	0	0.00				
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	Wall Cond	0	0.00				
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00				
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00				
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.06	Infiltration	0	0.06				
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.06	Sub Total ==>	0	0.06				
Internal Loads					Internal Loads			Internal Loads							
Lights	349	87	437	58.13	349	58.24	Lights	0	0.00	Lights	0	0.00	Vent		
People	315	0	315	41.87	175	29.13	People	0	0.00	People	0	0.00	Infil		
Misc	0	0	0	0.00	0	0.00	Misc	0	0.00	Misc	0	0.00	Supply		
Sub Total ==>	664	87	752	100.00	524	87.38	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	MinStop/Rh		
Ceiling Load					Ceiling Load			Ceiling Load							
Ventilation Load	76	-76	0	0.00	66	11.05	Ventilation Load	7	0.00	Ventilation Load	0	0.00	Return		
Ov/Undr Sizing	0	0	0	0.00	9	1.57	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00	Exhaust		
Exhaust Heat	0	0	0	0.00	0	0.00	Exhaust Heat	0	0.00	Exhaust Heat	0	0.00	Rm Exh		
Sup. Fan Heat	0	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	Auxil		
Ret. Fan Heat	0	0	0	0.00	0	0.00	RA Preheat Diff.	-7	6.19	RA Preheat Diff.	-7	6.19			
Duct Heat Pkup	0	0	0	0.00	0	0.00	Additional Reheat	-110	102.13	Additional Reheat	-110	102.13			
Reheat at Design	0	0	0	0.00	0	0.00	System Plenum Heat	9	-8.37	System Plenum Heat	9	-8.37			
Grand Total ==>	740	12	752	100.00	600	100.00	Grand Total ==>	7	-107	Grand Total ==>	7	-107			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F			
Main Clg	0.1	0.8	0.6	31	77.4	63.4	65.5	57.7	55.4	62.4	Floor	100	-0.1	9	57.7	68.0		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.1	0.8									Roof	0	0	0	0	0.0		
											Wall	0	0	0	0	0.0		
													Humidif	0.0	0	0.0		
													Opt Vent	0.0	0	0.0		
													Total	-0.1				

Room Checksums

By ae

103-HOUSE KEEPING

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating			
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	57.7	77.7	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	77.4	68.2	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	77.4	68.2	
Envelope Loads					Envelope Loads			Envelope Loads							
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict	0.0	0.0	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00							
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00							
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00							
Partition	0	0	0.00	0	0.00	Partition	0	0.00							
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00							
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.04							
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.04							
Internal Loads					Internal Loads			Internal Loads							
Lights	349	87	437	100.00	349	82.18	Lights	0	0.00						
People	0	0	0.00	0	0.00	People	0	0.00							
Misc	0	0	0.00	0	0.00	Misc	0	0.00							
Sub Total ==>	349	87	437	100.00	349	82.18	Sub Total ==>	0	0.00						
Ceiling Load					Ceiling Load			Ceiling Load							
Ventilation Load	76	-76	0	0.00	66	15.60	Ventilation Load	-57	0.00						
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00							
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00							
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00							
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00							
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	-78	52.64							
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	-70	47.32							
Grand Total ==>	425	12	437	100.00	425	100.00	Grand Total ==>	-57	-147	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.0	0.4	22	77.4	63.4	65.5	57.7	56.2	65.5	Floor	100	Main Htg	-0.2	7	57.7	77.7	
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	0.0	0	0.0	0.0	
Total	0.0	0.4								Roof	0	Humidif	0.0	0	0.0	0.0	
										Wall	0	Opt Vent	0.0	0	0.0	0.0	
												Total	-0.2				

Room Checksums

By ae

104-HOUSEKEEPING OFFICE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1			Cooling			Heating		
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13			SADB	57.7	74.9	Plenum	77.4	68.2
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2	Ret/OA	82.9	13.0	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0	Fn BldTD	0.0	0.0	
Envelope Loads					Envelope Loads					AIRFLOWS					
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Vent	20	15	Infil	0	0	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Supply	49	15	MinStop/Rh	15	15	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Return	49	15	Exhaust	20	15	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Rm Exh	0	0	Auxil	0	0	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	ENGINEERING CKS						
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	% OA	40.5	100.0	cfm/ft²	0.35	0.10	
Partition	0	0	0.00	0	0.00	Partition	0	0.00	cfm/ton	273.52		ft²/ton	786.43		
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Btu/hr-ft²	15.26	-8.97	No. People	1		
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00							
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00							
Internal Loads					Internal Loads										
Lights	349	87	437	20.15	349	36.80	Lights	0	0.00						
People	450		450	20.77	250	26.34	People	0	0.00						
Misc	242	0	242	11.18	242	25.53	Misc	0	0.00						
Sub Total ==>	1,042	87	1,129	52.11	842	88.67	Sub Total ==>	0	0.00						
Ceiling Load					Ceiling Load										
Ventilation Load	108	-108	0	0.00	94	9.92	Ventilation Load	-80	0.00						
Ov/Undr Sizing	0	0	1,091	50.34	0	0.00	Ov/Undr Sizing	0	-937	73.52					
Exhaust Heat			0	0.00	13	1.41	Exhaust Heat	0	0	0.00					
Sup. Fan Heat			0	0.00			OA Preheat Diff.		29	-2.30					
Ret. Fan Heat			0	0.00			RA Preheat Diff.		-257	20.16					
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00					
Reheat at Design			0	0.00			System Plenum Heat		-110	8.62					
Grand Total ==>	1,149	-73	2,167	100.00	949	100.00	Grand Total ==>	-80	-1,274	100.00					
COOLING COIL SELECTION					AREAS				HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg					
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F					
Main Clg	0.2	2.2	1.2	49	82.9	69.4	86.9	57.7	55.9	64.5	Main Htg	-0.3	15	57.7	74.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-1.0	20	13.0	57.7
Total	0.2	2.2									Humidif	0.0	0	0.0	0.0
											Opt Vent	0.0	0	0.0	0.0
											Total	-1.3			

Room Checksums

By ae

105-MECHANICAL

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	54.7	68.0		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	75.5	69.5		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	75.5	69.5		
Envelope Loads					Envelope Loads			Envelope Loads				Fn MtrTD			0.0	0.0
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn BldTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn Frict	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00								
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00								
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.02								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.02								
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS				
Lights	1,049	262	1,311	50.40	1,049	57.32	Lights	0	0.00				Cooling Heating			
People	1,290		1,290	49.60	717	39.17	People	0	0.00				Vent	0	0	
Misc	0	0	0	0.00	0	0.00	Misc	0	0.00				Infil	0	0	
Sub Total ==>	2,339	262	2,601	100.00	1,766	96.48	Sub Total ==>	0	0.00				Supply	81	24	
Ceiling Load					Ceiling Load			Ceiling Load				MinStop/Rh			24	24
Ventilation Load	0	0	0	0.00	0	0.00	Ventilation Load	0	0.00				Return	81	24	
Ov/Undr Sizing	0	0	0	0.00	1	0.03	Ov/Undr Sizing	0	0.00				Exhaust	0	0	
Exhaust Heat		0	0	0.00			Exhaust Heat		0.00				Rm Exh	0	0	
Sup. Fan Heat			0	0.00			OA Preheat Diff.		0.00				Auxil	0	0	
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		-199	55.24				ENGINEERING CKS		
Duct Heat Pkup		0	0	0.00			Additional Reheat		-401	111.50				% OA	0.0	0.0
Reheat at Design		0	0	0.00			System Plenum Heat		240	-66.75				cfm/ft²	0.20	0.06
Grand Total ==>	2,404	198	2,601	100.00	1,830	100.00	Grand Total ==>	199	-360	100.00				cfm/ton	374.15	
												ft²/ton			1,891.28	
												Btu/hr-ft²			6.34	-0.88
												No. People			3	

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.		Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.2	2.6	2.0	81	75.5	62.8	65.5	54.7	51.7	52.7	Floor	410	Main Htg	-0.4	24	54.7	68.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	0.0	0	0.0	0.0
Total	0.2	2.6									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
													Total	-0.4			

Room Checksums

By ae

106-STORAGE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1						
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13						
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total							
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Vent	0	0	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Infil	0	0	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Supply	138	41	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				MinStop/Rh	41	41	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00				Return	138	41	
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00				Exhaust	0	0	
Partition	0	0	0.00	0	0.00	Partition	0	0.00				Rm Exh	0	0	
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00				Auxil	0	0	
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01				ENGINEERING CKS			
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01				% OA	0.0	0.0	
Internal Loads					Internal Loads			Internal Loads				cfm/ft²	0.10	0.03	
Lights	2,882	721	3,602	100.00	2,882	92.73	Lights	0	0.00				cfm/ton	458.84	
People	0	0	0.00	0	0.00	People	0	0.00				ft²/ton	4,796.64		
Misc	0	0	0.00	0	0.00	Misc	0	0.00				Btu/hr-ft²	2.50	-0.64	
Sub Total ==>	2,882	721	3,602	100.00	2,882	92.73	Sub Total ==>	0	0.00				No. People	0	
Ceiling Load					Ceiling Load			Ceiling Load							
Ventilation Load	0	0	0.00	0	0.00	Ventilation Load	0	0.00							
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00							
Exhaust Heat		0	0.00		0.00	Exhaust Heat		0.00							
Sup. Fan Heat			0.00		0.00	OA Preheat Diff.		0.00							
Ret. Fan Heat		0	0.00		0.00	RA Preheat Diff.		0.00							
Duct Heat Pkup		0	0.00		0.00	Additional Reheat		-682	74.36						
Reheat at Design			0.00		0.00	System Plenum Heat		-235	25.63						
Grand Total ==>	3,108	495	3,603	100.00	3,108	100.00	Grand Total ==>	-214	-917	100.00					

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.3	3.6	3.6	138	75.5	62.8	65.5	54.7	53.9	61.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.6								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	1,440		
Part	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-0.9	41	54.7	74.7
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.9			

Room Checksums

By ae

107-OFFICE SUPPORT WORK AREA

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES						
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1			Cooling			Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13			SADB	54.7	71.6	Plenum	75.5	69.5		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <td>75.5</td> <td>69.5</td> <th>Ret/OA</th> <td>81.3</td> <td>13.0</td>	75.5	69.5	Ret/OA	81.3	13.0			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0	Fn BldTD	0.0	0.0			
Envelope Loads					Envelope Loads			Envelope Loads			AIRFLOWS						
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Skylite Cond	0	0.00			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Roof Cond	0	0.00			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Roof Cond	0	0.00	Glass Solar	0	0.00			
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Glass Solar	0	0.00	Glass Cond	0	0.00			
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	Glass Cond	0	0.00	Wall Cond	0	0.00			
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	Wall Cond	0	0.00	Partition	0	0.00			
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00	Exposed Floor	0	0.00			
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00	Infiltration	0	0.00			
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	Infiltration	0	0.00	Sub Total ==>	0	0.00			
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	ENGINEERING CKS					
Internal Loads					Internal Loads			Internal Loads			% OA						
Lights	3,671	918	4,588	29.24	3,671	50.51	Lights	0	0.00	Lights	0	0.00	cfm/ft²	0.29	0.09		
People	2,700		2,700	17.21	1,500	20.64	People	0	0.00	People	0	0.00	cfm/ton	246.34			
Misc	1,920	0	1,920	12.24	1,920	26.42	Misc	0	0.00	Misc	0	0.00	ft²/ton	860.44			
Sub Total ==>	8,290	918	9,208	58.69	7,090	97.57	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Btu/hr-ft²	13.95	-6.54		
Sub Total ==>							Sub Total ==>			Sub Total ==>			No. People	6			
Ceiling Load					Ceiling Load			Ceiling Load			Cooling			Heating			
Ceiling Load	177	-177	0	0.00	175	2.41	Ceiling Load	-167	0.00	Ceiling Load	-167	0.00	Vent	120	97		
Ventilation Load	0	0	6,547	41.73	0	0.00	Ventilation Load	0	83.05	Ventilation Load	0	83.05	Infil	0	0		
Ov/Undr Sizing	0	0	0	0.00	1	0.02	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00	Supply	322	97		
Exhaust Heat		-66	-66	-0.42			Exhaust Heat		-0.68	Exhaust Heat		-0.68	MinStop/Rh	97	97		
Sup. Fan Heat			0	0.00			OA Preheat Diff.		14.68	OA Preheat Diff.		14.68	Return	322	97		
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0.00	RA Preheat Diff.		0.00	Exhaust	120	97		
Duct Heat Pkup			0	0.00			Additional Reheat		0.00	Additional Reheat		0.00	Rm Exh	0	0		
Reheat at Design			0	0.00			System Plenum Heat		2.95	System Plenum Heat		2.95	Auxil	0	0		
Reheat at Design			0	0.00			Grand Total ==>			Grand Total ==>			Grand Total ==>				
Grand Total ==>	8,467	675	15,690	100.00	7,267	100.00	Grand Total ==>	-167		Grand Total ==>	-167		Grand Total ==>	-7,355	100.00		
COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.		Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F	
Main Clg	1.3	15.7	10.1	322	81.3	68.6	85.2	54.7	53.1	58.1	Floor	1,125	Main Htg	-1.8	97	54.7	71.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	-5.5	120	13.0	54.7
Total	1.3	15.7									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
													Total	-7.4			

Room Checksums

By ae

108-RECEPTION

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1							
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total			SADB	Cooling	Heating	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)			Plenum			
Envelope Loads														
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00			Return	75.5	69.5	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00			Ret/OA	82.6	13.0	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00			Fn MtrTD	0.0	0.0	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00			Fn BldTD	0.0	0.0	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00			Fn Frict	0.0	0.0	
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00						
Partition	0	0	0.00	0	0.00	Partition	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01						
<i>Sub Total ==></i>	0	0	0.00	0	0.00	<i>Sub Total ==></i>	0	0.01						
Internal Loads														
Lights	699	175	874	36.35	699	71.30	Lights	0	0.00					
People	450		450	18.72	250	25.50	People	0	0.00					
Misc	0	0	0.00	0	0.00	Misc	0	0.00						
<i>Sub Total ==></i>	1,149	175	1,324	55.06	949	96.80	<i>Sub Total ==></i>	0	0.00					
Ceiling Load														
Ventilation Load	0	0	1,091	45.39	0	0.00	Ventilation Load	0	-824	70.10				
Ov/Undr Sizing	0		0	0.00	0	0.03	Ov/Undr Sizing	0	0	0.00				
Exhaust Heat		-11	-11	-0.46			Exhaust Heat	7	-0.58					
Sup. Fan Heat			0	0.00			OA Preheat Diff.	-322	27.37					
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.	0	0.00					
Duct Heat Pkup		0	0	0.00			Additional Reheat	0	0.00					
Reheat at Design			0	0.00			System Plenum Heat	-36	3.10					
Grand Total ==>	1,180	132	2,404	100.00	980	100.00	Grand Total ==>	-30	-1,176	100.00				

AIRFLOWS													
		Cooling	Heating										
Vent		20	13										
Infil		0	0										
Supply		43	13										
MinStop/Rh		13	13										
Return		43	13										
Exhaust		20	13										
Rm Exh		0	0										
Auxil		0	0										

ENGINEERING CKS													
		Cooling	Heating										
% OA		46.0	100.0										
cfm/ft²		0.22	0.07										
cfm/ton		216.90											
ft²/ton		998.34											
Btu/hr-ft²		12.02	-5.88										
No. People		1											

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR		Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	cfm	°F	°F	°F	°F		ft²	(%)	MBh	cfm	°F	°F				
Main Clg	0.2	2.4	1.5	43	82.6	69.8	89.8	54.7	52.4	55.5	-0.3	13	54.7	72.1			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	-0.9	20	13.0	54.7			
Total	0.2	2.4									0.0	0	0.0	0.0			
											0.0	0	0.0	0.0			
											Total	-1.2					

Room Checksums

By ae

109-ASSISTANT OFFICE

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 9			Mo/Hr: 7 / 9		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 78 / 72 / 107			OADB: 78		OADB: 13			SADB		80.9					
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="3"></td> </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="3"></td> </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="3"></td> </th></th>	Fn BldTD <th>Fn Frict <td colspan="3"></td> </th>	Fn Frict <td colspan="3"></td>				
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h										
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00					
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00					
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Roof Cond	0	0	0.00					
Glass Solar	3,866	0	55.07	3,866	74.32	0	0	0.00	Glass Solar	0	0	0.00					
Glass Cond	42	0	0.59	42	0.80	-786	-786	20.35	Glass Cond	-786	-786	20.35					
Wall Cond	9	35	0.62	9	0.17	-30	-148	3.84	Wall Cond	-30	-148	3.84					
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00					
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00					
Sub Total ==>	3,917	35	56.28	3,917	75.30	-816	-934	24.20	Sub Total ==>	-816	-934	24.20					
Internal Loads																	
Lights	524	131	9.33	524	10.07	0	0	0.00	Lights	0	0	0.00					
People	900	0	12.82	500	9.61	0	0	0.00	People	0	0	0.00					
Misc	239	0	3.40	239	4.59	0	0	0.00	Misc	0	0	0.00					
Sub Total ==>	1,663	131	25.55	1,263	24.28	0	0	0.00	Sub Total ==>	0	0	0.00					
Ceiling Load																	
Lights	22	-22	0.00	22	0.42	-21	0	0.00	Lights	-21	0	0.00					
Ventilation Load	0	0	18.48	0	0.00	0	-2,529	65.48	Ventilation Load	0	-2,529	65.48					
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat		-22	-0.31				21	-0.54	Exhaust Heat		21	-0.54					
Sup. Fan Heat		0	0.00				0	0.00	OA Preheat Diff.		0	0.00					
Ret. Fan Heat		0	0.00				-481	12.46	RA Preheat Diff.		-481	12.46					
Duct Heat Pkup		0	0.00				0	0.00	Additional Reheat		0	0.00					
Reheat at Design		0	0.00				62	-1.59	System Plenum Heat		62	-1.59					
Grand Total ==>	5,602	122	100.00	5,202	100.00	-837	-3,862	100.00	Grand Total ==>	-837	-3,862	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR		Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	°F	°F	°F	°F		ft²	(%)	MBh	cfm	°F	°F				
Main Clg	0.6	7.0	5.5	231	76.0	64.4	72.7	54.7	54.4	63.0	-2.0	69	54.7	80.9			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	-1.9	40	13.0	54.7			
Total	0.6	7.0									0.0	0	0.0	0.0			
											0.0	0	0.0	0.0			
											0.0	0	0.0	0.0			
											-3.9						

Room Checksums

By ae

110-MANAGER OFFICE

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 9			Mo/Hr: 7 / 9		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 78 / 72 / 107			OADB: 78		OADB: 13			SADB		80.9					
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="3"></td> </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="3"></td> </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="3"></td> </th></th>	Fn BldTD <th>Fn Frict <td colspan="3"></td> </th>	Fn Frict <td colspan="3"></td>				
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h										
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00					
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00					
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Roof Cond	0	0	0.00					
Glass Solar	3,866	0	55.07	3,866	74.32	3,866	0	0.00	Glass Solar	0	0	0.00					
Glass Cond	42	0	0.59	42	0.80	42	-786	20.35	Glass Cond	-786	-786	20.35					
Wall Cond	9	35	0.62	9	0.17	9	-30	3.84	Wall Cond	-30	-148	3.84					
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00					
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00					
Sub Total ==>	3,917	35	56.28	3,917	75.30	3,917	-816	24.20	Sub Total ==>	-816	-934	24.20					
Internal Loads																	
Lights	524	131	9.33	524	10.07	0	0	0.00	Lights	0	0	0.00					
People	900	0	12.82	500	9.61	0	0	0.00	People	0	0	0.00					
Misc	239	0	3.40	239	4.59	0	0	0.00	Misc	0	0	0.00					
Sub Total ==>	1,663	131	25.55	1,263	24.28	0	0	0.00	Sub Total ==>	0	0	0.00					
Ceiling Load																	
Lights	22	-22	0.00	22	0.42	-21	0	0.00	Ceiling Load	-21	0	0.00					
Ventilation Load	0	0	18.48	0	0.00	0	-2,529	65.48	Ventilation Load	0	-2,529	65.48					
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat		-22	-0.31				21	-0.54	Exhaust Heat		21	-0.54					
Sup. Fan Heat		0	0.00				0	0.00	OA Preheat Diff.		0	0.00					
Ret. Fan Heat		0	0.00				-481	12.46	RA Preheat Diff.		-481	12.46					
Duct Heat Pkup		0	0.00				0	0.00	Additional Reheat		0	0.00					
Reheat at Design		0	0.00				62	-1.59	System Plenum Heat		62	-1.59					
Grand Total ==>	5,602	122	100.00	5,202	100.00	-837	-3,862	100.00	Grand Total ==>	-837	-3,862	100.00					

AIRFLOWS															
		Cooling	Heating												
Vent	40	40													
Infil	0	0													
Supply	231	69													
MinStop/Rh	69	69													
Return	231	69													
Exhaust	40	40													
Rm Exh	0	0													
Auxil	0	0													

ENGINEERING CKS															
		Cooling	Heating												
% OA	17.4	57.8													
cfm/ft²	1.65	0.49													
cfm/ton	394.03														
ft²/ton	239.28														
Btu/hr-ft²	50.15	-27.59													
No. People	2														

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg							
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F							
Main Clg	0.6	7.0	5.5	231	76.0	64.4	72.7	54.7	54.4	63.0	Main Htg	-2.0	69	54.7	80.9		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-1.9	40	13.0	54.7		
Total	0.6	7.0									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-3.9					

Room Checksums

By ae

111-DIRECTOR OFFICE

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 9			Mo/Hr: 7 / 9		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 78 / 72 / 107			OADB: 78		OADB: 13			SADB	54.7	80.9					
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <td colspan="2"></td> <td colspan="3"></td>								
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA <td colspan="2"></td> <td colspan="3"></td>								
Envelope Loads													Envelope Loads				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn MtrTD	0.0	0.0						
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn BldTD	0.0	0.0						
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Fn Frict	0.0	0.0						
Glass Solar	3,866	0	54.93	3,866	74.06	Glass Solar	0	0.00									
Glass Cond	42	0	0.59	42	0.80	Glass Cond	-786	20.32									
Wall Cond	9	35	0.62	9	0.17	Wall Cond	-30	3.84									
Partition	0	0	0.00	0	0.00	Partition	0	0.00									
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00									
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00									
Sub Total ==>	3,917	35	56.14	3,917	75.03	Sub Total ==>	-816	24.16									
Internal Loads													Internal Loads				
Lights	524	131	9.31	524	10.04	Lights	0	0.00									
People	900	0	12.79	500	9.58	People	0	0.00									
Misc	256	0	3.64	256	4.90	Misc	0	0.00									
Sub Total ==>	1,680	131	25.73	1,280	24.52	Sub Total ==>	0	0.00									
Ceiling Load													Ceiling Load				
Lights	24	-24	0.00	23	0.45	Lights	-22	0.00									
Ventilation Load	0	0	18.44	0	0.00	Ventilation Load	0	65.38									
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00									
Exhaust Heat		-22	-0.31			Exhaust Heat		-0.54									
Sup. Fan Heat		0	0.00			OA Preheat Diff.		0.00									
Ret. Fan Heat		0	0.00			RA Preheat Diff.		-485	12.55								
Duct Heat Pkup		0	0.00			Additional Reheat		0	0.00								
Reheat at Design		0	0.00			System Plenum Heat		60	-1.55								
Grand Total ==>	5,621	120	100.00	5,221	100.00	Grand Total ==>	-838	100.00									

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR		Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	cfm	°F	°F	gr/lb	ft²	ft²	(%)	MBh	cfm	°F	°F				
Main Clg	0.6	7.0	5.5	231	75.9	64.4	72.7	54.7	54.4	63.0	Main Htg	-2.0	69	54.7	80.9		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-1.9	40	13.0	54.7		
Total	0.6	7.0									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-3.9					

Room Checksums

By ae

112-CASH HANDLING WORK ROOM

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15			Mo/Hr: 13 / 1			Cooling Heating		
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91			OADB: 13			SADB	54.7	71.2
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	75.5	69.5		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	88.4	13.0		
Envelope Loads					Envelope Loads			Envelope Loads			Fn MtrTD	0.0	0.0
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00					
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00					
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00					
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00					
Partition	0	0	0.00	0	0.00	Partition	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00					
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00					
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00					
Internal Loads					Internal Loads			Internal Loads			AIRFLOWS		
Lights	699	175	874	11.77	699	32.29	Lights	0	0	0.00	Vent	80	29
People	1,800		1,800	24.25	1,000	46.19	People	0	0	0.00	Infil	0	0
Misc	427	0	427	5.75	427	19.71	Misc	0	0	0.00	Supply	96	29
Sub Total ==>	2,926	175	3,100	41.78	2,126	98.19	Sub Total ==>	0	0	0.00	MinStop/Rh	29	29
Ceiling Load					Ceiling Load			Ceiling Load			Return	96	29
Ventilation Load	0	-39	0	0.00	39	1.80	Ventilation Load	0	0	0.00	Exhaust	80	29
Ov/Undr Sizing	0	0	4,365	58.82	0	0.00	Ov/Undr Sizing	0	-1,820	43.09	Rm Exh	0	0
Exhaust Heat		-44	-44	-0.59	0	0.01	Exhaust Heat		15	-0.35	Auxil	0	0
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-2,366	56.03	ENGINEERING CKS		
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00	% OA	83.4	100.0
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00	cfm/ft²	0.38	0.12
Reheat at Design			0	0.00			System Plenum Heat		-52	1.23	cfm/ton	155.14	
Grand Total ==>	2,965	92	7,421	100.00	2,165	100.00	Grand Total ==>	-37	-4,223	100.00	ft²/ton	404.24	
											Btu/hr-ft²	29.69	-16.89
											No. People	4	

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass				Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)				MBh	cfm	°F	°F				
Main Clg	0.6	7.4	3.7	96	88.4	74.9	109.5	54.7	51.9	53.3	Main Htg	-0.5	29	54.7	71.2		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-3.7	80	13.0	54.7		
Total	0.6	7.4									Humidif	0.0	0	0.0	0.0		
										Opt Vent	0.0	0	0.0	0.0			
										Total	-4.2						

Room Checksums

By ae

113-BOOKSTORE MERCHANDISING

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 8			Mo/Hr: 7 / 9		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 76 / 72 / 111			OADB: 78		OADB: 13			SADB		89.0					
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total (%)	Space Sens	Tot Sens	Percent Of Total (%)	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h							
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	75.5	0.0	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	69.5	0.0	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	69.5	0.0	0.0	0.0		
Glass Solar	110,057	0	42.78	109,658	71.12	110,057	0	0.00	0	0	0.00	13.0	0.0	0.0	0.0		
Glass Cond	263	0	0.10	1,179	0.76	263	-22,291	12.40	-22,291	-22,291	12.40						
Wall Cond	284	266	0.21	252	0.16	550	-1,750	1.93	-1,750	-3,465	1.93						
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Exposed Floor	1,878	0	0.73	1,686	1.09	1,878	-18,603	10.35	-18,603	-18,603	10.35						
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Sub Total ==>	112,482	266	43.83	112,776	73.15	112,748	-42,644	24.69	-44,359	-44,359	24.69						
Internal Loads																	
Lights	10,594	2,649	5.15	10,594	6.87	13,243	0	0.00	0	0	0.00						
People	60,500	0	23.52	30,250	19.62	60,500	0	0.00	0	0	0.00						
Misc	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Sub Total ==>	71,094	2,649	28.67	40,844	26.49	73,743	0	0.00	0	0	0.00						
Ceiling Load																	
Ventilation Load	0	0	27.97	0	0.00	71,954	-533	0.00	0	-129,591	72.12						
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Exhaust Heat		-1,208	-0.47			-1,208	1,064	-0.59		1,064	-0.59						
Sup. Fan Heat		0	0.00			0	-6,931	3.86		-6,931	3.86						
Ret. Fan Heat		0	0.00			0	0	0.00		0	0.00						
Duct Heat Pkup		0	0.00			0	0	0.00		0	0.00						
Reheat at Design		0	0.00			0	117	-0.07		117	-0.07						
Grand Total ==>	184,141	1,141	100.00	154,180	100.00	257,236	-43,178	100.00	-179,699	-179,699	100.00						

AIRFLOWS											
		Cooling	Heating								
Vent		2,200	2,050								
Infil		0	0								
Supply		6,833	2,050								
MinStop/Rh		2,050	2,050								
Return		6,833	2,050								
Exhaust		2,200	2,050								
Rm Exh		0	0								
Auxil		0	0								

ENGINEERING CKS											
		Cooling	Heating								
% OA		32.2	100.0								
cfm/ft²		1.90	0.57								
cfm/ton		318.77									
ft²/ton		167.75									
Btu/hr-ft²		71.53	-49.97								
No. People		110									

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR		Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	cfm	°F	°F	°F	°F		ft²	(%)	MBh	cfm	°F	°F				
Main Clg	21.4	257.2	156.7	6,820	75.6	65.8	80.3	54.7	53.5	59.7	-78.1	2,050	54.7	89.0			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	-101.6	2,200	13.0	54.7			
Total	21.4	257.2															

AREAS					HEATING COIL SELECTION				
Floor	Part	ExFlr	Roof	Wall	Capacity	Coil Airflow	Ent	Lvg	
					MBh	cfm	°F	°F	
3,596	0	3,596	0	1,980	-78.1	2,050	54.7	89.0	
0	0	0	0	0	0.0	0	0.0	0.0	
0	0	0	0	0	-101.6	2,200	13.0	54.7	
1,980	1,316	66			0.0	0	0.0	0.0	
					0.0	0	0.0	0.0	
					-179.7				

Room Checksums

By ae

114-WELCOME CENTER RECEPTION

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1				Cooling		Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13				SADB	57.7	71.9				
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total									
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)									
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS					
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00					Vent	120	61		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00					Infil	0	0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00					Supply	205	61		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00					MinStop/Rh	61	61		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00					Return	205	61		
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00					Exhaust	120	61		
Partition	0	0	0.00	0	0.00	Partition	0	0.00					Rm Exh	0	0		
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00					Auxil	0	0		
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00					ENGINEERING CKS				
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00					% OA	58.6	100.0		
Internal Loads					Internal Loads			Internal Loads				cfm/ft²	0.89	0.27			
Lights	2,293	573	2,867	24.94	2,293	58.24	Lights	0	0.00					cfm/ton	213.90		
People	2,400		2,400	20.88	1,470	37.33	People	0	0.00					ft²/ton	240.14		
Misc	0	0	0	0.00	0	0.00	Misc	0	0.00					Btu/hr-ft²	49.97	-30.07	
Sub Total ==>	4,693	573	5,267	45.83	3,763	95.58	Sub Total ==>	0	0.00					No. People	6		
Ceiling Load					Ceiling Load			Ceiling Load									
Ventilation Load	174	-174	0	0.00	153	3.87	Ventilation Load	-130	0.00								
Ov/Undr Sizing	0	0	6,544	56.94	0	0.00	Ov/Undr Sizing	0	-3,885	56.18							
Exhaust Heat			0	0.00	22	0.55	Exhaust Heat	0	0	0.00							
Sup. Fan Heat			-318	-2.77			OA Preheat Diff.		122	-1.76							
Ret. Fan Heat			0	0.00			RA Preheat Diff.		-2,900	41.94							
Duct Heat PkUp			0	0.00			Additional Reheat		0	0.00							
Reheat at Design			0	0.00			System Plenum Heat		-252	3.64							
Grand Total ==>	4,868	81	11,493	100.00	3,938	100.00	Grand Total ==>	-130	-6,916	100.00							

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.0	11.5	6.2	205	85.4	71.8	96.4	57.7	55.0	60.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.0	11.5								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	230		
Part	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
Main Htg	-1.0	61	57.7	71.9
Aux Htg	0.0	0	0.0	0.0
Preheat	-5.9	120	13.0	57.7
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-6.9			

Room Checksums

By ae

115-CALL CENTER

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	57.7	73.9		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	77.4	68.2		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	77.4	68.2		
Envelope Loads					Envelope Loads			Envelope Loads				Ret/OA				
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00				Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00				Fn BldTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	0	0	0.00				Fn Frict	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	0	0	0.00				AIRFLOWS				
Glass Cond	0	0	0.00	0	0.00	0	0	0.00				Cooling Heating				
Wall Cond	0	0	0.00	0	0.00	0	0	0.00				Vent	20	13		
Partition	0	0	0.00	0	0.00	0	0	0.00				Infil	0	0		
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00				Supply	44	13		
Infiltration	0	0	0.00	0	0.00	0	0	0.00				MinStop/Rh	13	13		
Sub Total ==>	0	0	0.00	0	0.00	0	0	0.00				Return	44	13		
Internal Loads					Internal Loads			Internal Loads				Exhaust				
Lights	349	87	437	20.85	349	41.32	0	0	0.00				Rm Exh	0	0	
People	450		450	21.48	250	29.55	0	0	0.00				Auxil	0	0	
Misc	171	0	171	8.14	171	20.17	0	0	0.00				ENGINEERING CKS			
Sub Total ==>	970	87	1,058	50.47	770	91.04	0	0	0.00				Cooling Heating			
Ceiling Load					Ceiling Load			Ceiling Load				% OA				
Ventilation Load	76	-76	0	0.00	66	7.84	-57	0	0.00				cfm/ft²	45.4	100.0	
Ov/Undr Sizing	0	0	1,091	52.06	0	0.00	0	-835	67.97				cfm/ton	0.44	0.13	
Exhaust Heat		-53	-53	-2.53	9	1.11	0	0	0.00				ft²/ton	252.06		
Sup. Fan Heat			0	0.00			0	26	-2.13				Btu/hr-ft²	572.72		
Ret. Fan Heat			0	0.00			0	-337	27.42				No. People	20.95	-12.28	
Duct Heat Pkup			0	0.00			0	0	0.00							
Reheat at Design			0	0.00			0	0	0.00							
Grand Total ==>	1,046	-41	2,095	100.00	846	100.00	Grand Total ==>	-57	-1,228	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.1	1.2	44	83.6	70.1	89.5	57.7	55.6	62.9	Floor	-0.2	13	57.7	73.9		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	-1.0	20	13.0	57.7		
Total	0.2	2.1									Roof	0.0	0	0.0	0.0		
											Wall	0.0	0	0.0	0.0		
											Total	-1.2					

Room Checksums

By ae

116-SHARED OFFICE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES									
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1			Cooling			Heating							
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13			SADB	57.7	74.0	Plenum	77.4	68.2					
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2	Ret/OA	83.8	13.0						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0	Fn BldTD	0.0	0.0						
Envelope Loads					Envelope Loads					AIRFLOWS										
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Vent	120	76	Infil	0	0						
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Supply	254	76	MinStop/Rh	76	76						
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Return	254	76	Exhaust	120	76						
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Rm Exh	0	0	Auxil	0	0						
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	ENGINEERING CKS											
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	% OA	47.2	100.0	cfm/ft²	0.43	0.13						
Partition	0	0	0.00	0	0.00	Partition	0	0.00	cfm/ton	247.22		ft²/ton	578.41							
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Btu/hr-ft²	20.75	-12.31	No. People	6							
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00												
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00												
Internal Loads					Internal Loads															
Lights	1,922	480	2,402	19.46	1,922	39.32	Lights	0	0.00											
People	2,700		2,700	21.87	1,500	30.69	People	0	0.00											
Misc	1,015	0	1,015	8.23	1,015	20.77	Misc	0	0.00											
Sub Total ==>	5,637	480	6,118	49.56	4,437	90.78	Sub Total ==>	0	0.00											
Ceiling Load					Ceiling Load															
Ventilation Load	451	-451	0	0.00	395	8.07	Ventilation Load	-337	0.00											
Ov/Undr Sizing	0	0	6,544	53.02	0	0.00	Ov/Undr Sizing	0	-4,823	65.84										
Exhaust Heat			0	0.00	56	1.15	Exhaust Heat		151	-2.06										
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-2,165	29.56										
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00										
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00										
Reheat at Design			0	0.00			System Plenum Heat		-488	6.66										
Grand Total ==>	6,088	-288	12,344	100.00	4,888	100.00	Grand Total ==>	-337	-7,325	100.00										
COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION							
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg										
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F										
Main Clg	1.0	12.3	6.7	254	83.8	70.3	90.4	57.7	55.6	62.9	Main Htg	-1.4	76	57.7	74.0					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-5.9	120	13.0	57.7					
Total	1.0	12.3									Humidif	0.0	0	0.0	0.0					
											Opt Vent	0.0	0	0.0	0.0					
											Total	-7.3								

Room Checksums

By ae

116A-OFFICE STORAGE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling Heating		
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91			OADB: 13				SADB	57.7	75.5
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	77.4	68.2			
Envelope Loads												Fn MtrTD	0.0	0.0
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.0	0.0			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00						
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00						
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00						
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00						
Partition	0	0	0.00	0	0.00	Partition	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.03						
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.03						
Internal Loads												AIRFLOWS		
Lights	524	131	655	100.00	524	87.37	Lights	0	0	0.00	Cooling Heating			
People	0	0	0	0.00	0	0.00	People	0	0	0.00	Vent	0	0	
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00	Infil	0	0	
Sub Total ==>	524	131	655	100.00	524	87.37	Sub Total ==>	0	0	0.00	Supply	31	9	
Ceiling Load												MinStop/Rh	9	9
Ventilation Load	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00	Return	31	9	
Ov/Undr Sizing	0	0	0	0.00	9	1.57	Ov/Undr Sizing	0	0	0.00	Exhaust	0	0	
Exhaust Heat	0	0	0	0.00	0	0.00	Exhaust Heat	0	0	0.00	Rm Exh	0	0	
Sup. Fan Heat	0	0	0	0.00	0	0.00	OA Preheat Diff.	0	0	0.00	Auxil	0	0	
Ret. Fan Heat	0	0	0	0.00	0	0.00	RA Preheat Diff.	0	0	0.00				
Duct Heat PkUp	0	0	0	0.00	0	0.00	Additional Reheat	-110	59.28					
Reheat at Design	0	0	0	0.00	0	0.00	System Plenum Heat	-75	40.69					
Grand Total ==>	600	55	655	100.00	600	100.00	Grand Total ==>	-57	-185	100.00	ENGINEERING CKS			
												% OA	0.0	0.0
												cfm/ft²	0.31	0.09
												cfm/ton	571.63	
												ft²/ton	1,831.13	
												Btu/hr-ft²	6.55	-1.85
												No. People	0	

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.1	0.7	0.7	31	77.4	63.4	65.5	57.7	56.2	65.5	Floor	100	-0.2	9	57.7	75.5	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0	
Total	0.1	0.7									Roof	0	0	0	0.0	0.0	
												Wall	0	0	0	0.0	0.0
												Humidif	0.0	0	0.0	0.0	
												Opt Vent	0.0	0	0.0	0.0	
												Total	-0.2				

Room Checksums

By ae

117-SECURITY RECEPTION

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling			Heating
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91			OADB: 13				SADB	57.7	73.5	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00							
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00							
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00							
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00							
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00							
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00							
Partition	0	0	0.00	0	0.00	Partition	0	0.00							
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00							
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00							
<i>Sub Total ==></i>	0	0	0.00	0	0.00	<i>Sub Total ==></i>	0	0.00							
Internal Loads					Internal Loads			Internal Loads				ENGINEERING CKS			
Lights	524	131	655	16.86	524	37.61	Lights	0	0.00						
People	900		900	23.16	500	35.87	People	0	0.00						
Misc	256	0	256	6.59	256	18.36	Misc	0	0.00						
<i>Sub Total ==></i>	1,680	131	1,811	46.60	1,280	91.85	<i>Sub Total ==></i>	0	0.00						
Ceiling Load	114	-114	0	0.00	99	7.14	Ceiling Load	-85	0	0.00					
Ventilation Load	0	0	2,182	56.13	0	0.00	Ventilation Load	0	-1,375	58.17					
Ov/Undr Sizing	0		0	0.00	14	1.01	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat		-106	-106	-2.73			Exhaust Heat		43	-1.82					
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-904	38.23					
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		0	0.00					
Duct Heat Pkup		0	0	0.00			Additional Reheat		0	0.00					
Reheat at Design			0	0.00			System Plenum Heat		-128	5.42					
<i>Grand Total ==></i>	1,794	-89	3,887	100.00	1,394	100.00	<i>Grand Total ==></i>	-85	-2,364	100.00					
COOLING COIL SELECTION					AREAS					HEATING COIL SELECTION					
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass				Capacity	Coil Airflow	Ent	Lvg		
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)				MBh	cfm	°F	°F		
Main Clg	0.3	3.9	2.0	73	84.9	71.4	94.6	57.7	55.3	61.7	Main Htg	-0.4	22	57.7	73.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-2.0	40	13.0	57.7
<i>Total</i>	0.3	3.9									Humidif	0.0	0	0.0	0.0
											Opt Vent	0.0	0	0.0	0.0
											<i>Total</i>	-2.4			

Room Checksums

By ae

118-ID OFFICE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1				Cooling		Heating		
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13				SADB	57.7	73.9		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	84.6	13.0				
Envelope Loads					Envelope Loads			Envelope Loads				Fn MtrTD		0.0	0.0
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.0	0.0				
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.0	0.0				
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00							
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00							
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00							
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00							
Partition	0	0	0.00	0	0.00	Partition	0	0.00							
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00							
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00							
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00							
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS			
Lights	524	131	655	16.71	524	36.32	Lights	0	0	0.00	Cooling	Heating			
People	900		900	22.96	500	34.65	People	0	0	0.00	Vent	40	23		
Misc	290	0	290	7.40	290	20.11	Misc	0	0	0.00	Infil	0	0		
Sub Total ==>	1,714	131	1,845	47.06	1,314	91.08	Sub Total ==>	0	0	0.00	Supply	75	23		
Ceiling Load					Ceiling Load			Ceiling Load				MinStop/Rh		23	23
Ventilation Load	0	0	2,182	55.64	0	0.00	Ventilation Load	0	-1,424	59.67	Return	75	23		
Ov/Undr Sizing	0		0	0.00	16	1.11	Ov/Undr Sizing	0	0	0.00	Exhaust	40	23		
Exhaust Heat		-106	-106	-2.70			Exhaust Heat		45	-1.87	Rm Exh	0	0		
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-866	36.29	Auxil	0	0		
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00					
Duct Heat Pkup		0	0	0.00			Additional Reheat		0	0.00					
Reheat at Design			0	0.00			System Plenum Heat		-141	5.90					
Grand Total ==>	1,843	-104	3,921	100.00	1,443	100.00	Grand Total ==>	-96	-2,386	100.00	ENGINEERING CKS				
												% OA	53.3	100.0	
												cfm/ft²	0.44	0.13	
												cfm/ton	229.78		
												ft²/ton	520.32		
												Btu/hr-ft²	23.06	-14.04	
												No. People	2		

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR		Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	°F	°F	°F	°F	ft²	ft²	(%)	MBh	cfm	°F	°F				
Main Clg	0.3	3.9	2.1	75	84.6	71.1	93.6	57.7	55.4	62.2	Main Htg	-0.4	23	57.7	73.9		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-2.0	40	13.0	57.7		
Total	0.3	3.9									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-2.4					

Room Checksums

By ae

119-DIRECTOR OFFICE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1			Cooling			Heating		
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13			SADB	57.7	74.0	Plenum	77.4	68.2
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2	Ret/OA	86.0	13.0	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0	Fn BldTD	0.0	0.0	
Envelope Loads					Envelope Loads			Envelope Loads			AIRFLOWS				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Skylite Cond	0	0.00	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Roof Cond	0	0.00	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Roof Cond	0	0.00	Glass Solar	0	0.00	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Glass Solar	0	0.00	Glass Cond	0	0.00	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	Glass Cond	0	0.00	Wall Cond	0	0.00	
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	Wall Cond	0	0.00	Partition	0	0.00	
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00	Exposed Floor	0	0.00	
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00	Infiltration	0	0.00	
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	Infiltration	0	0.00	Sub Total ==>	0	0.00	
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Internal Loads			
Internal Loads					Internal Loads			Internal Loads			ENGINEERING CKS				
Lights	349	87	437	11.90	349	28.66	Lights	0	0.00	Lights	0	0.00	Vent	40	19
People	900		900	24.54	500	41.02	People	0	0.00	People	0	0.00	Infil	0	0
Misc	256	0	256	6.98	256	21.00	Misc	0	0.00	Misc	0	0.00	Supply	63	19
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	MinStop/Rh	19	19
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Return	63	19
Ceiling Load					Ceiling Load			Ceiling Load			Return				
Lights	349	87	437	11.90	349	28.66	Lights	0	0.00	Lights	0	0.00	Exhaust	40	19
People	900		900	24.54	500	41.02	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	256	0	256	6.98	256	21.00	Misc	0	0.00	Misc	0	0.00	Auxil	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>		
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>		
Ceiling Load					Ceiling Load			Ceiling Load			Exhaust				
People	900		900	24.54	500	41.02	People	0	0.00	People	0	0.00	Exhaust	40	19
Misc	256	0	256	6.98	256	21.00	Misc	0	0.00	Misc	0	0.00	Rm Exh	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Auxil	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>		
Ceiling Load					Ceiling Load			Ceiling Load			Rm Exh				
People	900		900	24.54	500	41.02	People	0	0.00	People	0	0.00	Exhaust	40	19
Misc	256	0	256	6.98	256	21.00	Misc	0	0.00	Misc	0	0.00	Rm Exh	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Auxil	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>		
Ceiling Load					Ceiling Load			Ceiling Load			Auxil				
People	900		900	24.54	500	41.02	People	0	0.00	People	0	0.00	Exhaust	40	19
Misc	256	0	256	6.98	256	21.00	Misc	0	0.00	Misc	0	0.00	Rm Exh	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Auxil	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>		
Ceiling Load					Ceiling Load			Ceiling Load			% OA				
People	900		900	24.54	500	41.02	People	0	0.00	People	0	0.00	Exhaust	40	19
Misc	256	0	256	6.98	256	21.00	Misc	0	0.00	Misc	0	0.00	Rm Exh	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Auxil	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>		
Ceiling Load					Ceiling Load			Ceiling Load			cfm/ft²				
People	900		900	24.54	500	41.02	People	0	0.00	People	0	0.00	Exhaust	40	19
Misc	256	0	256	6.98	256	21.00	Misc	0	0.00	Misc	0	0.00	Rm Exh	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Auxil	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>		
Ceiling Load					Ceiling Load			Ceiling Load			ft²/ton				
People	900		900	24.54	500	41.02	People	0	0.00	People	0	0.00	Exhaust	40	19
Misc	256	0	256	6.98	256	21.00	Misc	0	0.00	Misc	0	0.00	Rm Exh	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Auxil	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>		
Ceiling Load					Ceiling Load			Ceiling Load			Btu/hr-ft²				
People	900		900	24.54	500	41.02	People	0	0.00	People	0	0.00	Exhaust	40	19
Misc	256	0	256	6.98	256	21.00	Misc	0	0.00	Misc	0	0.00	Rm Exh	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Auxil	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>		
Ceiling Load					Ceiling Load			Ceiling Load			No. People				
People	900		900	24.54	500	41.02	People	0	0.00	People	0	0.00	Exhaust	40	19
Misc	256	0	256	6.98	256	21.00	Misc	0	0.00	Misc	0	0.00	Rm Exh	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Auxil	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>		
Ceiling Load					Ceiling Load			Ceiling Load			Grand Total ==>				
People	900		900	24.54	500	41.02	People	0	0.00	People	0	0.00	Exhaust	40	19
Misc	256	0	256	6.98	256	21.00	Misc	0	0.00	Misc	0	0.00	Rm Exh	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Auxil	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>		
Ceiling Load					Ceiling Load			Ceiling Load			Grand Total ==>				
People	900		900	24.54	500	41.02	People	0	0.00	People	0	0.00	Exhaust	40	19
Misc	256	0	256	6.98	256	21.00	Misc	0	0.00	Misc	0	0.00	Rm Exh	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Auxil	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>		
Ceiling Load					Ceiling Load			Ceiling Load			Grand Total ==>				
People	900		900	24.54	500	41.02	People	0	0.00	People	0	0.00	Exhaust	40	19
Misc	256	0	256	6.98	256	21.00	Misc	0	0.00	Misc	0	0.00	Rm Exh	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Auxil	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>		
Ceiling Load					Ceiling Load			Ceiling Load			Grand Total ==>				
People	900		900	24.54	500	41.02	People	0	0.00	People	0	0.00	Exhaust	40	19
Misc	256	0	256	6.98	256	21.00	Misc	0	0.00	Misc	0	0.00	Rm Exh	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Auxil	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>		
Ceiling Load					Ceiling Load			Ceiling Load			Grand Total ==>				
People	900		900	24.54	500	41.02	People	0	0.00	People	0	0.00	Exhaust	40	19
Misc	256	0	256	6.98	256	21.00	Misc	0	0.00	Misc	0	0.00	Rm Exh	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Auxil	0	0
Sub Total ==>	1,505	87	1,593	43.42	1,105	90.68	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>		
Ceiling Load					Ceiling Load			Ceiling Load			Grand Total ==>				
People	900		900	24.54	500	41.02	People	0	0.00	People	0				

Room Checksums

By ae

119A-STORAGE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling Heating		
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91			OADB: 13				SADB	57.7	75.5
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	77.4	68.2			
Envelope Loads														
Skylite Solar	0	0	0	0.00	0	0.00	Skylite Solar	0	0	0.00	Fn MtrTD	0.0	0.0	
Skylite Cond	0	0	0	0.00	0	0.00	Skylite Cond	0	0	0.00	Fn BldTD	0.0	0.0	
Roof Cond	0	0	0	0.00	0	0.00	Roof Cond	0	0	0.00	Fn Frict	0.0	0.0	
Glass Solar	0	0	0	0.00	0	0.00	Glass Solar	0	0	0.00	AIRFLOWS			
Glass Cond	0	0	0	0.00	0	0.00	Glass Cond	0	0	0.00	Cooling Heating			
Wall Cond	0	0	0	0.00	0	0.00	Wall Cond	0	0	0.00	Vent	0	0	
Partition	0	0	0	0.00	0	0.00	Partition	0	0	0.00	Infil	0	0	
Exposed Floor	0	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00	Supply	31	9	
Infiltration	0	0	0	0.00	0	0.00	Infiltration	0	0	0.03	MinStop/Rh	9	9	
Sub Total ==>	0	0	0	0.00	0	0.00	Sub Total ==>	0	0	0.03	Return	31	9	
Internal Loads														
Lights	524	131	655	100.00	524	87.37	Lights	0	0	0.00	Exhaust	0	0	
People	0	0	0	0.00	0	0.00	People	0	0	0.00	Rm Exh	0	0	
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00	Auxil	0	0	
Sub Total ==>	524	131	655	100.00	524	87.37	Sub Total ==>	0	0	0.00	ENGINEERING CKS			
Ceiling Load														
Ceiling Load	76	-76	0	0.00	66	11.05	Ceiling Load	-57	0	0.00	% OA	0.0	0.0	
Ventilation Load	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00	cfm/ft²	0.31	0.09	
Ov/Undr Sizing	0	0	0	0.00	9	1.57	Ov/Undr Sizing	0	0	0.00	cfm/ton	571.63		
Exhaust Heat	0	0	0	0.00	0	0.00	Exhaust Heat	0	0	0.00	ft²/ton	1,831.13		
Sup. Fan Heat	0	0	0	0.00	0	0.00	OA Preheat Diff.	0	0	0.00	Btu/hr-ft²	6.55	-1.85	
Ret. Fan Heat	0	0	0	0.00	0	0.00	RA Preheat Diff.	0	0	0.00	No. People	0		
Duct Heat Pkup	0	0	0	0.00	0	0.00	Additional Reheat	-110	59.28					
Reheat at Design	0	0	0	0.00	0	0.00	System Plenum Heat	-75	40.69					
Grand Total ==>	600	55	655	100.00	600	100.00	Grand Total ==>	-57	-185	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg					
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F				
Main Clg	0.1	0.7	0.7	31	77.4	63.4	65.5	57.7	56.2	65.5	Floor	100		Main Htg	-0.2	9	57.7	75.5	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0		Preheat	0.0	0	0.0	0.0	
Total	0.1	0.7									Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	0	Opt Vent	0.0	0	0.0	0.0
											Total	-0.2							

Room Checksums

By ae

120-MAIN DINING HALL

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 6 / 18		Mo/Hr: 13 / 1					Cooling Heating		
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 84		OADB: 84		OADB: 13					
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				SADB	58.5	81.5
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Plenum	78.5	70.0
Envelope Loads														
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Return	78.5	70.0
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Ret/OA	89.3	13.0
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn MtrTD	0.0	0.0
Glass Solar	29,543	0	4.58	36,976	22.40	Glass Solar	0	0.00				Fn BldTD	0.0	0.0
Glass Cond	9,116	0	1.41	5,014	3.04	Glass Cond	-33,277	7.33				Fn Frict	0.0	0.0
Wall Cond	180	141	0.05	127	0.08	Wall Cond	-906	0.42						
Partition	0	0	0.00	0	0.00	Partition	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00						
Sub Total ==>	38,838	141	6.04	42,117	25.52	Sub Total ==>	-34,183	7.76						
Internal Loads														
Lights	11,609	2,902	2.25	11,609	7.03	Lights	0	0.00						
People	210,100	0	32.58	105,050	63.64	People	0	0.00						
Misc	0	0	0.00	0	0.00	Misc	0	0.00						
Sub Total ==>	221,709	2,902	34.83	116,659	70.68	Sub Total ==>	0	0.00						
Ceiling Load														
Lights	6,302	-6,302	0.00	6,287	3.81	Lights	-87	0.00						
Ventilation Load	0	0	63.69	0	0.00	Ventilation Load	0	37.58						
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00						
Exhaust Heat		-29,409	-4.56			Exhaust Heat		-0.03						
Sup. Fan Heat		0	0.00			OA Preheat Diff.	-249,108	54.88						
Ret. Fan Heat		0	0.00			RA Preheat Diff.	0	0.00						
Duct Heat Pkup		0	0.00			Additional Reheat	0	0.00						
Reheat at Design		0	0.00			System Plenum Heat	792	-0.17						
Grand Total ==>	266,849	-32,668	100.00	165,063	100.00	Grand Total ==>	-34,269	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total		Glass		Capacity	Coil Airflow	Ent	Lvg					
ton	MBh	cfm	°F °F gr/lb	°F °F gr/lb	ft²	ft² (%)	MBh	cfm	°F	°F							
Main Clg	53.7	644.9	264.7	8,816	89.3	75.4	111.4	58.5	54.3	56.7	Main Htg	-68.8	2,698	58.5	81.5		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-385.1	7,640	13.0	58.5		
Total	53.7	644.9									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-454.0					

Room Checksums

By ae

120A-HOUSEKEEPING

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling Heating				
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91			OADB: 13				SADB	58.5	70.2		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	78.5	70.0					
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	78.5	70.0					
Envelope Loads												Fn MtrTD	0.0	0.0		
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.0	0.0					
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.0	0.0					
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00								
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00								
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.01	0	0.01	Infiltration	0	0.13								
Sub Total ==>	0	0	0.01	0	0.01	Sub Total ==>	0	0.13								
Internal Loads												AIRFLOWS				
Lights	175	44	218	99.99	175	81.11	Lights	0	0	0.00	Vent	Cooling	0	Heating	0	
People	0	0	0	0.00	0	0.00	People	0	0	0.00	Infil	0	0			
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00	Supply	12	4			
Sub Total ==>	175	44	218	99.99	175	81.11	Sub Total ==>	0	0	0.00	MinStop/Rh	4	4			
Ceiling Load												Return	12	4		
Ventilation Load	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00	Exhaust	0	0			
Ov/Undr Sizing	0	0	0	0.00	0	0.04	Ov/Undr Sizing	0	0	0.00	Rm Exh	0	0			
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00	RA Preheat Diff.	0	0.00	Auxil	0	0		
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00					
Ret. Fan Heat	0	0	0.00	0	0.00	Additional Reheat	-45	98.23	System Plenum Heat	-1	1.64					
Duct Heat Pkup	0	0	0.00	0	0.00	System Plenum Heat	-1	1.64	Grand Total ==>	-1	-46	100.00				
Reheat at Design	0	0	0.00	0	0.00	Grand Total ==>	-1	-46	100.00				ENGINEERING CKS			
Grand Total ==>	215	3	218	100.00	215	100.00	Grand Total ==>	-1	-46	100.00	% OA	0.0	0.0			
COOLING COIL SELECTION												cfm/ft²	0.32	0.10		
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	AREAS		HEATING COIL SELECTION									
ton	MBh	MBh	cfm	°F °F gr/lb	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg						
						(%)	MBh	cfm	°F	°F						
Main Clg	0.0	0.2	12	78.5 64.0 66.6	58.5	56.8 66.6	Main Htg	-0.1	4	58.5	70.2					
Aux Clg	0.0	0.0	0	0.0 0.0 0.0	0.0	0.0 0.0	Aux Htg	0.0	0	0.0	0.0					
Opt Vent	0.0	0.0	0	0.0 0.0 0.0	0.0	0.0 0.0	Preheat	0.0	0	0.0	0.0					
Total	0.0	0.2					Humidif	0.0	0	0.0	0.0					
							Opt Vent	0.0	0	0.0	0.0					
							Total	-0.1								

Room Checksums

By ae

121-FOOD SERVING AREA

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling Heating			
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91			OADB: 13				SADB	58.5	70.0	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	78.5	70.0				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	91.0	13.0				
Envelope Loads					Envelope Loads			Envelope Loads				Fn MtrTD	0.0	0.0	
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.0	0.0				
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.0	0.0				
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00							
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00							
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00							
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00							
Partition	0	0	0.00	0	0.00	Partition	0	0.00							
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00							
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00							
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00							
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS			
Lights	7,769	1,942	9,711	3.19	7,769	10.32	Lights	0	0	0.00	Vent	Cooling	4,100	Heating	1,230
People	112,750		112,750	37.08	56,375	74.92	People	0	0	0.00	Infil	0	0		
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00	Supply	4,100	1,230		
Sub Total ==>	120,519	1,942	122,461	40.27	64,144	85.25	Sub Total ==>	0	0	0.00	MinStop/Rh	1,230	1,230		
Ceiling Load					Ceiling Load			Ceiling Load				ENGINEERING CKS			
Ventilation Load	0	0	195,632	64.33	0	0.00	Ventilation Load	0	-77,756	34.95	% OA	100.0	100.0		
Ov/Undr Sizing	0		0	0.00	8,472	11.26	Ov/Undr Sizing	0	0	0.00	cfm/ft²	1.71	0.51		
Exhaust Heat		-14,007	-14,007	-4.61			Exhaust Heat		65	-0.03	cfm/ton	161.80			
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-144,674	65.03	ft²/ton	94.51			
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00	Btu/hr-ft²	126.97	-92.89		
Duct Heat PkUp			0	0.00			Additional Reheat		0	0.00	No. People	205			
Reheat at Design			0	0.00			System Plenum Heat		-101	0.05					
Grand Total ==>	123,153	-14,698	304,086	100.00	75,244	100.00	Grand Total ==>	-36	-222,466	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity Coil Airflow Ent Lvg										
ton	MBh	MBh	cfm °F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F							
Main Clg	25.3	304.1	116.7	3,639	91.0	76.9	118.3	58.5	53.0	51.6	Main Htg	-15.8	1,230	58.5	70.0		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-206.7	4,100	13.0	58.5		
Total	25.3	304.1									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-222.5					

Room Checksums

By ae

122-KITCHEN

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 1 / 9			Mo/Hr: 1 / 1		Mo/Hr: 13 / 1						Cooling		Heating
Outside Air:		OADB/WB/HR: 35 / 32 / 21			OADB: 32		OADB: 13						SADB	55.0	70.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Plenum	84.9	70.0	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	84.9	70.0	
Envelope Loads															
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	0	0	0.00	Ret/OA	84.9	70.0	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	0	0	0.00	Fn MtrTD	0.0	0.0	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	0	0	0.00	Fn BldTD	0.0	0.0	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	0	0	0.00	Fn Frict	0.0	0.0	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	0	0	0.00				
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	0	0	0.00				
Partition	0	0	0.00	0	0.00	Partition	0	0.00	0	0	0.00				
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	0	0	0.00				
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	0	0	0.00				
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00	0	0	0.00				
Internal Loads															
Lights	3,144	786	3,930	0.29	3,144	0.23	Lights	0	0	0.00		Supply	40,821	12,246	
People	2,750		2,750	0.20	1,375	0.10	People	0	0	0.00		MinStop/Rh	12,246	12,246	
Misc	1,353,638	0	1,353,638	99.51	1,353,638	99.67	Misc	0	0	0.00		Return	40,821	12,246	
Sub Total ==>	1,359,532	786	1,360,318	100.00	1,358,157	100.00	Sub Total ==>	0	0	0.00		Exhaust	0	0	
Ceiling Load															
Ventilation Load	0	0	0.00	0	0.00	Ventilation Load	0	0.00	0	0	0.00	Rm Exh	0	0	
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00	0	0	0.00	Auxil	0	0	
Exhaust Heat		0	0.00			Exhaust Heat		0.00			0.00				
Sup. Fan Heat		0	0.00			OA Preheat Diff.		0.00			0.00				
Ret. Fan Heat		0	0.00			RA Preheat Diff.		0.00			0.00				
Duct Heat PkUp		0	0.00			Additional Reheat		-203,713	100.00						
Reheat at Design		0	0.00			System Plenum Heat		0	0.00						
Grand Total ==>	1,359,509	809	1,360,318	100.00	1,358,134	100.00	Grand Total ==>	0	-203,713	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total		Glass		Capacity	Coil Airflow	Ent	Lvg					
ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	MBh	cfm	°F	°F					
Main Clg	113.4	1,360.3	1,358.9	40,821	84.9	59.9	37.4	55.0	47.4	36.8	Main Htg	-203.7	12,246	55.0	70.0		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	0.0	0	0.0	0.0		
Total	113.4	1,360.3									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-203.7					

Room Checksums

By ae

123-FOOD SERVICE OFFICE

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13			SADB		70.0					
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Return					
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA					
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	Fn MtrTD	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	Fn BldTD	0.0	0.0			
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	Fn Frict	0.0	0.0			
Glass Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Glass Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Wall Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Sub Total ==>	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Internal Loads																	
Lights	524	131	655	15.20	524	31.21	0	0.00	0	0	0.00						
People	900		900	20.88	500	29.77	0	0.00	0	0	0.00						
Misc	230	0	230	5.34	230	13.72	0	0.00	0	0	0.00						
Sub Total ==>	1,655	131	1,786	41.42	1,255	74.70	0	0.00	0	0	0.00						
Ceiling Load																	
Ventilation Load	425	-425	0	0.00	425	25.29	0	0.00	0	0	0.00						
Ov/Undr Sizing	0	0	2,966	68.80	0	0.00	0	0.00	0	-1,436	64.07						
Exhaust Heat		-441	-441	-10.22	0	0.00	0	0.00	0	0	0.00						
Sup. Fan Heat			0	0.00			0	0.00	0	-805	35.93						
Ret. Fan Heat		0	0	0.00			0	0.00	0	0	0.00						
Duct Heat Pkup		0	0	0.00			0	0.00	0	0	0.00						
Reheat at Design			0	0.00			0	0.00	0	0	0.00						
Grand Total ==>	2,079	-734	4,311	100.00	1,679	100.00	0	0.00	0	-2,241	100.00						

AIRFLOWS															
		Cooling		Heating											
Vent		40		23											
Infil		0		0											
Supply		76		23											
MinStop/Rh		23		23											
Return		76		23											
Exhaust		40		23											
Rm Exh		0		0											
Auxil		0		0											

ENGINEERING CKS															
		Cooling		Heating											
% OA		52.8		100.0											
cfm/ft²		0.56		0.17											
cfm/ton		210.77													
ft³/ton		375.80													
Btu/hr-ft²		31.93		-16.60											
No. People		2													

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg							
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F							
Main Clg	0.4	4.3	1.7	76 88.1 69.7 80.2	55.0 51.5 51.6	Floor	0.4	23	55.0	70.0							
Aux Clg	0.0	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	Part	0.0	0	0.0	0.0							
Opt Vent	0.0	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	ExFlr	-1.9	40	13.0	55.0							
Total	0.4	4.3				Roof	0.0	0	0.0	0.0							
						Wall	0.0	0	0.0	0.0							
						Total	-2.2										

Room Checksums

By ae

124-DRY STORAGE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1							
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total								
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)								
Envelope Loads					Envelope Loads			Envelope Loads				SADB				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				55.0	70.0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Plenum	84.9	70.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Return	84.9	70.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Ret/OA	84.9	70.0		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00				Fn MtrTD	0.0	0.0		
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00				Fn BldTD	0.0	0.0		
Partition	0	0	0.00	0	0.00	Partition	0	0.00				Fn Frict	0.0	0.0		
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01								
<i>Sub Total ==></i>	0	0	0.00	0	0.00	<i>Sub Total ==></i>	0	0.01								
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS				
Lights	1,573	393	1,966	100.00	1,573	49.02	Lights	0	0.00				Vent	Cooling	Heating	
People	0	0	0.00	0	0.00	People	0	0.00				Infil	0	0		
Misc	0	0	0.00	0	0.00	Misc	0	0.00				Supply	145	43		
<i>Sub Total ==></i>	1,573	393	1,966	100.00	1,573	49.02	<i>Sub Total ==></i>	0	0.00				MinStop/Rh	43	43	
Ceiling Load					Ceiling Load			Ceiling Load				Return				
Ventilation Load	0	0	0.00	0	0.00	Ventilation Load	0	0.00				Exhaust	0	0		
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	-0.02				Rm Exh	0	0		
Exhaust Heat		0	0.00			Exhaust Heat		0.00				Auxil	0	0		
Sup. Fan Heat			0.00			OA Preheat Diff.		0.00								
Ret. Fan Heat		0	0.00			RA Preheat Diff.		0.00								
Duct Heat Pkup		0	0.00			Additional Reheat		-722	100.01							
Reheat at Design			0.00			System Plenum Heat		0	0.00							
Grand Total ==>	3,209	-1,243	1,966	100.00	3,209	100.00	Grand Total ==>	0	-722	100.00				ENGINEERING CKS		
COOLING COIL SELECTION					AREAS			HEATING COIL SELECTION								
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass			Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	cfm °F °F gr/lb	°F °F gr/lb		ft² (%)			MBh	cfm	°F	°F				
Main Clg	0.2	2.0	145 84.9 59.9 37.4	55.0 47.6 37.4	Floor	520			Main Htg	-0.7	43	55.0	70.0			
Aux Clg	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	Part	0			Aux Htg	0.0	0	0.0	0.0			
Opt Vent	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	ExFlr	0			Preheat	0.0	0	0.0	0.0			
Total	0.2	2.0			Roof	0	0	0	Humidif	0.0	0	0.0	0.0			
					Wall	0	0	0	Opt Vent	0.0	0	0.0	0.0			
									Total	-0.7						

Room Checksums

By ae

126-HOUSEKEEPING STORAGE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling Heating		
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91			OADB: 13				SADB	58.5	70.2
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total					
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)	Btu/h	Btu/h	(%)					
Envelope Loads														
Skylite Solar	0	0	0	0.00	0	0.00	Skylite Solar	0	0	0.00	Fn MtrTD	0.0	0.0	
Skylite Cond	0	0	0	0.00	0	0.00	Skylite Cond	0	0	0.00	Fn BldTD	0.0	0.0	
Roof Cond	0	0	0	0.00	0	0.00	Roof Cond	0	0	0.00	Fn Frict	0.0	0.0	
Glass Solar	0	0	0	0.00	0	0.00	Glass Solar	0	0	0.00				
Glass Cond	0	0	0	0.00	0	0.00	Glass Cond	0	0	0.00				
Wall Cond	0	0	0	0.00	0	0.00	Wall Cond	0	0	0.00				
Partition	0	0	0	0.00	0	0.00	Partition	0	0	0.00				
Exposed Floor	0	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00				
Infiltration	0	0	0	0.01	0	0.01	Infiltration	0	0	0.13				
Sub Total ==>	0	0	0	0.01	0	0.01	Sub Total ==>	0	0	0.13				
Internal Loads														
Lights	175	44	218	99.99	175	81.95	Lights	0	0	0.00				
People	0	0	0	0.00	0	0.00	People	0	0	0.00				
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00				
Sub Total ==>	175	44	218	99.99	175	81.95	Sub Total ==>	0	0	0.00				
Ceiling Load														
Ventilation Load	38	-38	0	0.00	38	18.00	Ceiling Load	-1	0	0.00				
Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00				
Exhaust Heat	0	0	0	0.00	0	0.04	Ov/Undr Sizing	0	0	0.00				
Sup. Fan Heat	0	0	0	0.00	0	0.00	Exhaust Heat	0	0	0.00				
Ret. Fan Heat	0	0	0	0.00	0	0.00	OA Preheat Diff.	0	0	0.00				
Duct Heat PkUp	0	0	0	0.00	0	0.00	RA Preheat Diff.	0	0	0.00				
Reheat at Design	0	0	0	0.00	0	0.00	Additional Reheat	-44	98.30					
Grand Total ==>	213	5	219	100.00	213	100.00	System Plenum Heat	-1	1.57					
Grand Total ==>														
Grand Total ==>														

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.0	0.2	12	78.5	64.0	66.6	58.5	56.8	66.6	Floor	35	-0.1	3	58.5	70.2		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.0	0.2								Roof	0	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
										Humidif	0.0	0	0	0.0	0.0		
										Opt Vent	0.0	0	0	0.0	0.0		
										Total	-0.1						

Room Checksums

By ae

127-CATERING STORAGE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	58.5	70.2		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	78.5	70.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	78.5	70.0		
Envelope Loads					Envelope Loads			Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00								
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.03								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.03								
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS				
Lights	786	197	983	100.00	786	74.09	Lights	0	0.00				Vent	0	0	
People	0	0	0	0.00	0	0.00	People	0	0.00				Infil	0	0	
Misc	0	0	0	0.00	0	0.00	Misc	0	0.00				Supply	58	17	
Sub Total ==>	786	197	983	100.00	786	74.09	Sub Total ==>	0	0.00				MinStop/Rh	17	17	
Ceiling Load					Ceiling Load			Ceiling Load								
Ventilation Load	275	-275	0	0.00	274	25.85	Ventilation Load	-4	0.00				Return	58	17	
Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00				Exhaust	0	0	
Exhaust Heat	0	0	0	0.00	1	0.06	Exhaust Heat	0	0.00				Rm Exh	0	0	
Sup. Fan Heat	0	0	0	0.00			OA Preheat Diff.	0	0.00				Auxil	0	0	
Ret. Fan Heat	0	0	0	0.00			RA Preheat Diff.	0	0.00							
Duct Heat Pkup	0	0	0	0.00			Additional Reheat	-221	97.89							
Reheat at Design	0	0	0	0.00			System Plenum Heat	-5	2.08							
Grand Total ==>	1,061	-78	983	100.00	1,061	100.00	Grand Total ==>	-4	-226	100.00				ENGINEERING CKS		
COOLING COIL SELECTION					AREAS					HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass				Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm °F °F gr/lb	°F °F gr/lb		ft² (%)				MBh	cfm	°F	°F			
Main Clg	0.1	1.0	58 78.5 64.0 66.6	58.5 56.8 66.6	Floor	250				Main Htg	-0.2	17	58.5	70.2		
Aux Clg	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	Part	0				Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	ExFlr	0				Preheat	0.0	0	0.0	0.0		
Total	0.1	1.0			Roof	0	0	0				Humidif	0.0	0	0.0	0.0
					Wall	0	0	0				Opt Vent	0.0	0	0.0	0.0
												Total	-0.2			

Room Checksums

By ae

128-CENTRAL TRASH

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling Heating		
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91			OADB: 13				SADB	58.5	70.9
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	78.5	70.0			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	78.5	70.0			
Envelope Loads												Fn MtrTD	0.0	0.0
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.0	0.0			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00						
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00						
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00						
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00						
Partition	0	0	0.00	0	0.00	Partition	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.18						
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.18						
Internal Loads												AIRFLOWS		
Lights	524	131	655	100.00	524	223.53	Lights	0	0	0.00	Cooling Heating			
People	0	0	0	0.00	0	0.00	People	0	0	0.00	Vent	0	0	
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00	Infil	0	0	
Sub Total ==>	524	131	655	100.00	524	223.53	Sub Total ==>	0	0	0.00	Supply	8	2	
Ceiling Load												MinStop/Rh	2	2
Ventilation Load	-290	290	0	0.00	-290	-123.69	Ventilation Load	0	0	0.00	Return	8	2	
Ov/Undr Sizing	0	0	0	0.00	0	0.15	Ov/Undr Sizing	0	0	0.00	Exhaust	0	0	
Exhaust Heat	0	0	0	0.00	0	0.00	Exhaust Heat	0	0	0.00	Rm Exh	0	0	
Sup. Fan Heat	0	0	0	0.00	0	0.00	OA Preheat Diff.	0	0	0.00	Auxil	0	0	
Ret. Fan Heat	0	0	0	0.00	0	0.00	RA Preheat Diff.	0	0	0.00				
Duct Heat Pkup	0	0	0	0.00	0	0.00	Additional Reheat	-30	92.98					
Reheat at Design	0	0	0	0.00	0	0.00	System Plenum Heat	-2	6.84					
Grand Total ==>	234	421	655	100.00	234	100.00	Grand Total ==>	-2	-33	100.00	ENGINEERING CKS			
												% OA	0.0	0.0
												cfm/ft²	0.06	0.02
												cfm/ton	145.87	
												ft²/ton	2,564.48	
												Btu/hr-ft²	4.68	-0.23
												No. People	0	

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.1	0.7	8	78.5	64.0	66.6	58.5	40.8	10.0	Floor	140	Main Htg	0.0	2	58.5	70.9	
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	0.0	0	0.0	0.0	
Total	0.1	0.7								Roof	0	Humidif	0.0	0	0.0	0.0	
										Wall	0	Opt Vent	0.0	0	0.0	0.0	
										Total	0.0	Total	0.0				

Room Checksums

By ae

200-VENDING ALCOVE

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1		Mo/Hr: 13 / 1		Cooling		Heating	SADB	83.1	
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 91		OADB: 13		Plenum		68.2	Return	68.2	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Ret/OA <td colspan="1">77.4</td> <td colspan="1">68.2</td> <td colspan="1"></td>	77.4	68.2		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0		
Envelope Loads																
Skylite Solar	0	0	0	0.00	0	0.00	0	0.00	Skylite Solar	0	0	0.00	Fn BldTD	0.0	0.0	
Skylite Cond	0	0	0	0.00	0	0.00	0	0.00	Skylite Cond	0	0	0.00	Fn Frict	0.0	0.0	
Roof Cond	0	0	0	0.00	0	0.00	0	0.00	Roof Cond	0	0	0.00				
Glass Solar	0	0	0	0.00	0	0.00	0	0.00	Glass Solar	0	0	0.00				
Glass Cond	0	0	0	0.00	0	0.00	0	0.00	Glass Cond	0	0	0.00				
Wall Cond	0	0	0	0.00	0	0.00	0	0.00	Wall Cond	0	0	0.00				
Partition	0	0	0	0.00	0	0.00	0	0.00	Partition	0	0	0.00				
Exposed Floor	0	0	0	0.00	0	0.00	0	0.00	Exposed Floor	0	0	0.00				
Infiltration	0	0	0	0.01	0	0.01	0	0.01	Infiltration	0	0	0.05				
Sub Total ==>	0	0	0	0.01	0	0.01	0	0.01	Sub Total ==>	0	0	0.05				
Internal Loads																
Lights	175	44	218	99.99	175	69.76	0	0.00	Lights	0	0	0.00				
People	0	0	0	0.00	0	0.00	0	0.00	People	0	0	0.00				
Misc	0	0	0	0.00	0	0.00	0	0.00	Misc	0	0	0.00				
Sub Total ==>	175	44	218	99.99	175	69.76	0	0.00	Sub Total ==>	0	0	0.00				
Ceiling Load																
Ventilation Load	76	-76	0	0.00	66	26.47	0	0.00	Ceiling Load	-57	0	0.00				
Ov/Undr Sizing	0	0	0	0.00	9	3.76	0	0.00	Ventilation Load	0	0	0.00				
Exhaust Heat	0	0	0	0.00	0	0.00	0	0.00	Ov/Undr Sizing	0	0	0.00				
Sup. Fan Heat	0	0	0	0.00	0	0.00	0	0.00	Exhaust Heat	0	0	0.00				
Ret. Fan Heat	0	0	0	0.00	0	0.00	0	0.00	OA Preheat Diff.	0	0	0.00				
Duct Heat Pkup	0	0	0	0.00	0	0.00	0	0.00	RA Preheat Diff.	0	0	0.00				
Reheat at Design	0	0	0	0.00	0	0.00	0	0.00	Additional Reheat	-46	41.51					
Grand Total ==>	251	-32	218	100.00	251	100.00	Grand Total ==>		System Plenum Heat	-64	58.43					

AIRFLOWS																
		Cooling		Heating												
Vent	0		0													
Infil	0		0													
Supply	13		4													
MinStop/Rh	4		4													
Return	13		4													
Exhaust	0		0													
Rm Exh	0		0													
Auxil	0		0													

ENGINEERING CKS																
		Cooling		Heating												
% OA	0.0		0.0													
cfm/ft²	0.13		0.04													
cfm/ton	715.94															
ft²/ton	5,492.81															
Btu/hr-ft²	2.18		-1.10													
No. People	0															

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.0	0.2	13	77.4	63.4	65.5	57.7	56.2	65.5	Floor	100	Main Htg	-0.1	4	57.7	83.1	
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	0.0	0	0.0	0.0	
Total	0.0	0.2								Roof	0	Humidif	0.0	0	0.0	0.0	
										Wall	0	Opt Vent	0.0	0	0.0	0.0	
										Total	-0.1	Total	-0.1				

Room Checksums

By ae

200A-JANITORS CLOSET

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1							
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total								
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)								
Envelope Loads					Envelope Loads			Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	SADB	57.7	78.9		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Plenum	77.4	68.2		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Roof Cond	0	0.00	Return	77.4	68.2		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Glass Solar	0	0.00	Ret/OA	77.4	68.2		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	Glass Cond	0	0.00	Fn MtrTD	0.0	0.0		
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	Wall Cond	0	0.00	Fn BldTD	0.0	0.0		
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00	Fn Frict	0.0	0.0		
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00					
Infiltration	0	0	0.01	0	0.01	Infiltration	0	0.01	Infiltration	0	0.07					
<i>Sub Total ==></i>	0	0	0.01	0	0.01	<i>Sub Total ==></i>	0	0.01	<i>Sub Total ==></i>	0	0.07					
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS				
Lights	175	44	219	99.99	175	79.36	Lights	0	0.00	Lights	0	0.00	Cooling	Heating		
People	0	0	0.00	0	0.00	People	0	0.00	People	0	0.00	Vent	0	0		
Misc	0	0	0.00	0	0.00	Misc	0	0.00	People	0	0.00	Infil	0	0		
<i>Sub Total ==></i>	175	44	219	99.99	175	79.36	<i>Sub Total ==></i>	0	0.00	Misc	0	0.00	Supply	11	3	
Ceiling Load					Ceiling Load			Ceiling Load				MinStop/Rh				
Ventilation Load	45	-45	0	0.00	40	18.07	Ventilation Load	-34	0.00	Ventilation Load	0	0.00	Return	11	3	
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	6	2.57	Ov/Undr Sizing	0	0.00	Exhaust	0	0		
Exhaust Heat		0	0.00			Exhaust Heat		0.00	Exhaust Heat		0.00	Rm Exh	0	0		
Sup. Fan Heat			0.00			OA Preheat Diff.		0.00	OA Preheat Diff.		0.00	Auxil	0	0		
Ret. Fan Heat		0	0.00			RA Preheat Diff.		0.00	RA Preheat Diff.		0.00					
Duct Heat Pkup		0	0.00			Additional Reheat		-40	49.61	Additional Reheat		-40	49.61			
Reheat at Design			0.00			System Plenum Heat		-41	50.31	System Plenum Heat		-41	50.31			
<i>Grand Total ==></i>	220	-2	219	100.00	220	100.00	<i>Grand Total ==></i>	-34	-81	100.00						

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.0	0.2	0.2	11	77.4	63.4	65.5	57.7	56.2	65.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.2								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	60		
Part	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent °F	Lvg °F
Main Htg	-0.1	3	57.7	78.9
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.1			

Room Checksums

By ae

201-FINANCE RECEPTION

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	57.7	73.1		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	77.4	68.2		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	77.4	68.2		
Envelope Loads					Envelope Loads			Envelope Loads				Ret/OA				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00								
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00								
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS				
Lights	1,223	306	1,529	16.13	1,223	38.07	Lights	0	0.00				Vent	100	50	
People	2,250		2,250	23.74	1,250	38.91	People	0	0.00				Infil	0	0	
Misc	512	0	512	5.40	512	15.94	Misc	0	0.00				Supply	167	50	
Sub Total ==>	3,985	306	4,291	45.26	2,985	92.93	Sub Total ==>	0	0.00				MinStop/Rh	50	50	
Ceiling Load					Ceiling Load			Ceiling Load				Return				
Ventilation Load	0	0	5,454	57.53	0	0.00	Ventilation Load	0	0.00				Exhaust	100	50	
Ov/Undr Sizing	0		0	0.00	28	0.88	Ov/Undr Sizing	0	0.00				Rm Exh	0	0	
Exhaust Heat		-265	-265	-2.80			Exhaust Heat		99	-1.71				Auxil	0	0
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-2,470	42.52				ENGINEERING CKS		
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00				% OA	59.8	100.0
Duct Heat Pkup		0	0	0.00			Additional Reheat		0	0.00				cfm/ft²	0.56	0.17
Reheat at Design			0	0.00			System Plenum Heat		-269	4.63				cfm/ton	211.56	
Grand Total ==>	4,212	-187	9,479	100.00	3,212	100.00	Grand Total ==>	-170	-5,810	100.00				ft²/ton	379.77	
												Btu/hr-ft²				
												No. People				
												5				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.		Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.8	9.5	4.8	167	85.5	72.0	97.1	57.7	55.0	60.8	Floor	300	Main Htg	-0.9	50	57.7	73.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	-5.0	100	13.0	57.7
Total	0.8	9.5									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
													Total	-5.8			

Room Checksums

By ae

202-OFFICE SUPPORT WORK AREA

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	57.7	73.5		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	77.4	68.2		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	77.4	68.2		
Envelope Loads					Envelope Loads			Envelope Loads				Ret/OA				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00								
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00								
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS				
Lights	2,227	557	2,784	25.16	2,227	47.42	Lights	0	0.00				Vent	100	73	
People	2,250		2,250	20.33	1,250	26.61	People	0	0.00				Infil	0	0	
Misc	845	0	845	7.63	845	17.98	Misc	0	0.00				Supply	244	73	
Sub Total ==>	5,322	557	5,879	53.12	4,322	92.02	Sub Total ==>	0	0.00				MinStop/Rh	73	73	
Ceiling Load					Ceiling Load			Ceiling Load				Return				
Ventilation Load	0	0	5,454	49.28	0	0.00	Ventilation Load	0	0.00				Exhaust	100	73	
Ov/Undr Sizing	0	0	0	0.00	47	0.99	Ov/Undr Sizing	0	0.00				Rm Exh	0	0	
Exhaust Heat		-265	-265	-2.40			Exhaust Heat		145	-2.33				Auxil	0	0
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-1,322	21.20				ENGINEERING CKS		
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00				% OA	40.9	100.0
Duct Heat Pkup		0	0	0.00			Additional Reheat		0	0.00				cfm/ft²	0.49	0.15
Reheat at Design			0	0.00			System Plenum Heat		-426	6.82				cfm/ton	264.96	
Grand Total ==>	5,697	-83	11,068	100.00	4,697	100.00	Grand Total ==>	-280	-6,237	100.00				ft²/ton	536.70	
												Btu/hr-ft²				
												No. People				
												5				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg		
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.9	11.1	6.4	244	83.0	69.4	87.1	57.7	55.5	62.8	Floor	495	-1.3	73	57.7	73.5	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	-5.0	100	13.0	57.7	
Total	0.9	11.1									Roof	0	0.0	0	0.0	0.0	
											Wall	0	0.0	0	0.0	0.0	
											Total	-6.2					

Room Checksums

By ae

203-AR/CR OFFICE 2

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 17					Mo/Hr: 7 / 17					Mo/Hr: 13 / 1							
Outside Air: OADB/WB/HR: 89 / 75 / 107					OADB: 89					OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)				SADB	Cooling	Heating			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h										
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00					
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00					
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Roof Cond	0	0	0.00					
Glass Solar	3,959	0	46.34	3,959	52.50	0	0	0.00	Glass Solar	0	0	0.00					
Glass Cond	191	0	2.23	191	2.53	-786	-786	20.86	Glass Cond	-786	-786	20.86					
Wall Cond	9	30	0.45	9	0.12	-30	-146	3.87	Wall Cond	-30	-146	3.87					
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00					
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00					
Sub Total ==>	4,159	30	49.02	4,159	55.15	-816	-932	24.73	Sub Total ==>	-816	-932	24.73					
Internal Loads																	
Lights	1,605	401	23.48	1,605	21.28	0	0	0.00	Lights	0	0	0.00					
People	450	0	5.27	250	3.31	0	0	0.00	People	0	0	0.00					
Misc	1,058	0	12.38	1,058	14.03	0	0	0.00	Misc	0	0	0.00					
Sub Total ==>	3,113	401	41.13	2,913	38.62	0	0	0.00	Sub Total ==>	0	0	0.00					
Ceiling Load																	
Lights	470	-470	0.00	411	5.45	-351	0	0.00	Lights	-351	0	0.00					
Ventilation Load	0	0	10.47	0	0.00	0	-1,264	33.56	Ventilation Load	0	-1,264	33.56					
Ov/Undr Sizing	0	0	0.00	58	0.77	0	0	0.00	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat		-53	-0.62				40	-1.05	Exhaust Heat		40	-1.05					
Sup. Fan Heat		0	0.00				0	0.00	OA Preheat Diff.		0	0.00					
Ret. Fan Heat		0	0.00				-1,143	30.33	RA Preheat Diff.		-1,143	30.33					
Duct Heat Pkup		0	0.00				0	0.00	Additional Reheat		0	0.00					
Reheat at Design		0	0.00				-469	12.44	System Plenum Heat		-469	12.44					
Grand Total ==>	7,741	-92	100.00	7,541	100.00	-1,167	-3,768	100.00	Grand Total ==>	-1,167	-3,768	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	°F	°F	gr/lb	°F	°F	gr/lb	ft²	ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.7	8.5	7.8	392	78.0	64.1	67.7	57.7	56.7	67.7	Floor	620					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0					
											Roof	0	0	0			
Total	0.7	8.5									Wall	90	46	52			
											Main Htg	-2.8	118	57.7	78.9		
											Aux Htg	0.0	0	0.0	0.0		
											Preheat	-1.0	20	13.0	57.7		
											Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-3.8					

Room Checksums

By ae

204-AR/CR OFFICE 1

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 6 / 18		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 84		OADB: 13			SADB		96.9					
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)									
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h										
Envelope Loads					Envelope Loads					Envelope Loads							
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	SADB	57.7	96.9			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Plenum	77.4	68.2			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Roof Cond	0	0.00	Return	77.4	68.2			
Glass Solar	698	0	22.58	873	45.60	Glass Solar	0	0.00	Glass Solar	0	0.00	Ret/OA	80.2	31.3			
Glass Cond	215	0	6.97	118	6.18	Glass Cond	-786	34.29	Glass Cond	-786	34.29	Fn MtrTD	0.0	0.0			
Wall Cond	6	17	0.73	4	0.22	Wall Cond	-30	6.35	Wall Cond	-30	6.35	Fn BldTD	0.0	0.0			
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00	Fn Frict	0.0	0.0			
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	Infiltration	0	0.00						
Sub Total ==>	919	17	30.28	996	52.00	Sub Total ==>	-816	40.64	Sub Total ==>	-932	40.64						
Internal Loads					Internal Loads					Internal Loads							
Lights	349	87	14.13	349	18.24	Lights	0	0.00	Lights	0	0.00						
People	450		14.56	250	13.05	People	0	0.00	People	0	0.00						
Misc	230	0	7.45	230	12.03	Misc	0	0.00	Misc	0	0.00						
Sub Total ==>	1,030	87	36.15	830	43.33	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00						
Ceiling Load					Ceiling Load					Ceiling Load							
Ceiling Load	102	-102	0.00	90	4.67	Ceiling Load	-76	0.00	Ceiling Load	-76	0.00						
Ventilation Load	0	0	35.29	0	0.00	Ventilation Load	0	55.16	Ventilation Load	-1,264	55.16						
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00						
Exhaust Heat		-53	-1.72			Exhaust Heat		-1.73	Exhaust Heat	40	-1.73						
Sup. Fan Heat		0	0.00			OA Preheat Diff.		0.00	OA Preheat Diff.	0	0.00						
Ret. Fan Heat		0	0.00			RA Preheat Diff.		-116	RA Preheat Diff.	-116	5.05						
Duct Heat Pkup		0	0.00			Additional Reheat		0.00	Additional Reheat	0	0.00						
Reheat at Design		0	0.00			System Plenum Heat		-20	System Plenum Heat	-20	0.88						
Grand Total ==>	2,051	-51	100.00	1,915	100.00	Grand Total ==>	-893	100.00	Grand Total ==>	-2,292	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR		Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg					
ton	MBh	MBh	°F	°F	°F	°F		ft²	(%)	MBh	cfm	°F	°F					
Main Clg	0.3	3.1	2.2	96	80.2	66.6	76.5	57.7	56.4	66.5	-1.3	30	57.7	96.9				
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0				
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	20	13.0	57.7				
Total	0.3	3.1									0.0	0	0.0	0.0				

AIRFLOWS										ENGINEERING CKS				
		Cooling	Heating							Cooling	Heating			
Vent		20	20							% OA	20.1	66.9		
Infil		0	0							cfm/ft²	0.74	0.22		
Supply		100	30							cfm/ton	386.91			
MinStop/Rh		30	30							ft³/ton	524.16			
Return		100	30							Btu/hr-ft²	22.89	-16.98		
Exhaust		20	20							No. People	1			
Rm Exh		0	0											
Auxil		0	0											

Room Checksums

By ae

206-ADMINISTRATIVE

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 7 / 17		Mo/Hr: 13 / 1					Cooling		Heating					
Outside Air:		OADB/WB/HR: 89 / 75 / 107			OADB: 89		OADB: 13					SADB		80.1					
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)	Space Sens	Coil Peak Tot Sens	Percent Of Total (%)	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict				
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h									
Envelope Loads					Envelope Loads					Envelope Loads									
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00								
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00								
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Roof Cond	0	0.00								
Glass Solar	3,959	0	64.41	3,959	77.77	Glass Solar	0	0.00	Glass Solar	0	0.00								
Glass Cond	191	0	3.11	191	3.75	Glass Cond	-786	26.46	Glass Cond	-786	26.46								
Wall Cond	9	30	0.62	9	0.17	Wall Cond	-30	4.90	Wall Cond	-146	4.90								
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	Infiltration	0	0.00								
Sub Total ==>	4,159	30	68.14	4,159	81.69	Sub Total ==>	-816	31.37	Sub Total ==>	-932	31.37								
Internal Loads					Internal Loads					Internal Loads									
Lights	349	87	7.11	349	6.86	Lights	0	0.00	Lights	0	0.00								
People	450	0	7.32	250	4.91	People	0	0.00	People	0	0.00								
Misc	230	0	3.75	230	4.53	Misc	0	0.00	Misc	0	0.00								
Sub Total ==>	1,030	87	18.17	830	16.30	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00								
Ceiling Load					Ceiling Load					Ceiling Load									
Ventilation Load	102	-102	0.00	90	1.76	Ventilation Load	-76	0.00	Ventilation Load	0	0.00								
Ov/Undr Sizing	0	0	14.55	0	0.00	Ov/Undr Sizing	0	42.57	Ov/Undr Sizing	-1,264	42.57								
Exhaust Heat	0	-53	0.00	13	0.25	Exhaust Heat	0	0.00	Exhaust Heat	0	0.00								
Sup. Fan Heat	0	-53	-0.86	0	0.00	Sup. Fan Heat	0	-1.33	Sup. Fan Heat	40	-1.33								
Ret. Fan Heat	0	0	0.00	0	0.00	Ret. Fan Heat	0	0.00	Ret. Fan Heat	0	0.00								
Duct Heat Pkup	0	0	0.00	0	0.00	OA Preheat Diff.	0	23.41	OA Preheat Diff.	-695	23.41								
Reheat at Design	0	0	0.00	0	0.00	Additional Reheat	0	0.00	Additional Reheat	0	0.00								
						System Plenum Heat	-118	3.99	System Plenum Heat	-118	3.99								
Grand Total ==>	5,291	-38	100.00	5,091	100.00	Grand Total ==>	-893	100.00	Grand Total ==>	-2,970	100.00								

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total		Glass		Capacity	Coil Airflow	Ent	Lvg					
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb	ft²	ft² (%)	ft² (%)	MBh	cfm	°F	°F	°F	°F				
Main Clg	0.5	6.2	5.4	265	78.3	64.4	68.7	57.7	56.8	68.2							
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0							
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0							
Total	0.5	6.2															

HEATING COIL SELECTION				
Capacity	Coil Airflow	Ent	Lvg	
MBh	cfm	°F	°F	
Main Htg	-2.0	79	57.7	80.1
Aux Htg	0.0	0	0.0	0.0
Preheat	-1.0	20	13.0	57.7
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-3.0			

Room Checksums

By ae

207-SHARED OFFICE ACCT PAY

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 16			Mo/Hr: 7 / 16		Mo/Hr: 13 / 1						Cooling			Heating		
Outside Air:		OADB/WB/HR: 91 / 75 / 110			OADB: 91		OADB: 13						SADB	57.7	91.7	Plenum	77.4	68.2
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2	Ret/OA	79.5	39.0	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0	Fn BldTD	0.0	0.0	
Envelope Loads					Envelope Loads					Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn Frict	0.0	0.0				
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00							
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Roof Cond	0	0.00							
Glass Solar	5,714	0	40.32	5,714	59.03	Glass Solar	0	0.00	Glass Solar	0	0.00							
Glass Cond	834	0	5.89	834	8.62	Glass Cond	-3,144	32.51	Glass Cond	-3,144	32.51							
Wall Cond	60	106	1.17	60	0.62	Wall Cond	-263	8.39	Wall Cond	-263	8.39							
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00							
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00							
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	Infiltration	0	0.00							
Sub Total ==>	6,608	106	47.38	6,608	68.27	Sub Total ==>	-3,406	40.90	Sub Total ==>	-3,955	40.90							
Internal Loads					Internal Loads					Internal Loads								
Lights	1,048	262	9.25	1,048	10.83	Lights	0	0.00	Lights	0	0.00							
People	1,800	0	12.70	1,000	10.33	People	0	0.00	People	0	0.00							
Misc	708	0	5.00	708	7.32	Misc	0	0.00	Misc	0	0.00							
Sub Total ==>	3,556	262	26.95	2,756	28.48	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00							
Ceiling Load	314	-314	0.00	275	2.84	Ceiling Load	-235	0.00	Ceiling Load	0	0.00							
Ventilation Load	0	0	27.17	0	0.00	Ventilation Load	0	52.30	Ventilation Load	-5,057	52.30							
Ov/Undr Sizing	0	0	0.00	39	0.40	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00							
Exhaust Heat	0	-212	-1.50	0	0.00	Exhaust Heat	0	-1.64	Exhaust Heat	159	-1.64							
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00							
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	-831	8.59	RA Preheat Diff.	-831	8.59							
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	0	0.00	Additional Reheat	0	0.00							
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	14	-0.15	System Plenum Heat	14	-0.15							
Grand Total ==>	10,479	-158	100.00	9,679	100.00	Grand Total ==>	-3,641	100.00	Grand Total ==>	-9,671	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	1.2	14.2	10.9	504	79.5	65.6	72.6	57.7	56.5	67.0	Floor	415	-5.7	151	57.7	91.7	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	-4.0	80	13.0	57.7	
Total	1.2	14.2									Roof	0	0.0	0	0.0	0.0	
											Wall	428	186	43			
											Total	-9.7					

Room Checksums

By ae

209-ASSOCIATE DIRECTOR 3

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 6 / 18		Mo/Hr: 13 / 1			Cooling		Heating						
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 84		OADB: 13			SADB		93.8						
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)										
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h											
Envelope Loads					Envelope Loads										AIRFLOWS			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Cooling		Heating				
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Vent	40	34				
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Infil	0	0				
Glass Solar	698	0	15.24	873	40.33	Glass Solar	0	0.00				Supply	113	34				
Glass Cond	215	0	4.70	118	5.47	Glass Cond	-786	23.56				MinStop/Rh	34	34				
Wall Cond	6	17	0.50	4	0.20	Wall Cond	-30	4.37				Return	113	34				
Partition	0	0	0.00	0	0.00	Partition	0	0.00				Exhaust	40	34				
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00				Rm Exh	0	0				
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00				Auxil	0	0				
Sub Total ==>	919	17	20.44	996	46.00	Sub Total ==>	-816	27.92				ENGINEERING CKS						
Internal Loads					Internal Loads													
Lights	349	87	9.54	349	16.14	Lights	0	0.00				% OA	35.5	100.0				
People	900	0	19.66	500	23.09	People	0	0.00				cfm/ft²	0.83	0.25				
Misc	230	0	5.03	230	10.64	Misc	0	0.00				cfm/ton	295.28					
Sub Total ==>	1,480	87	34.23	1,080	49.87	Sub Total ==>	0	0.00				ft²/ton	353.84					
Ceiling Load					Ceiling Load													
Ventilation Load	102	-102	0.00	90	4.13	Ventilation Load	-76	0.00				Btu/hr-ft²	33.91	-24.71				
Ov/Undr Sizing	0	0	47.65	0	0.00	Ov/Undr Sizing	0	64.04				No. People	2					
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00										
Sup. Fan Heat	0	-106	-2.32	0	0.00	OA Preheat Diff.	0	9.21										
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	-307	0.00										
Duct Heat PkUp	0	0	0.00	0	0.00	Additional Reheat	0	0.00										
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	-28	0.84										
Grand Total ==>	2,501	-104	100.00	2,165	100.00	Grand Total ==>	-893	100.00										

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.4	4.6	2.7	109	82.4	68.8	84.8	57.7	55.9	64.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.4	4.6								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	135		
Part	0		
ExFlr	0		
Roof	0	0	0
Wall	90	46	52

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Aux Htg	0.0	0	0.0	0.0
Preheat	-2.0	40	13.0	57.7
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-3.3			

Room Checksums

By ae

210-ADMIN OFFICE 2

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES								
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1			Cooling			Heating						
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13			SADB	57.7	73.7	Plenum	77.4	68.2				
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <td>77.4</td> <td>68.2</td> <th>Ret/OA</th> <td>86.2</td> <td>13.0</td>	77.4	68.2	Ret/OA	86.2	13.0					
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0	Fn BldTD	0.0	0.0					
Envelope Loads					Envelope Loads					AIRFLOWS									
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Vent	40	18	Infil	0	0					
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Supply	62	18	MinStop/Rh	18	18					
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Return	62	18	Exhaust	40	18					
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Rm Exh	0	0	Auxil	0	0					
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	ENGINEERING CKS										
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	% OA	65.0	100.0	cfm/ft²	0.46	0.14					
Partition	0	0	0.00	0	0.00	Partition	0	0.00	cfm/ton	202.61		ft²/ton	444.73						
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Btu/hr-ft²	26.98	-17.11	No. People	2						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00											
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00											
Internal Loads					Internal Loads														
Lights	349	87	437	11.99	349	29.56	Lights	0	0.00										
People	900		900	24.71	500	42.30	People	0	0.00										
Misc	230	0	230	6.32	230	19.49	Misc	0	0.00										
Sub Total ==>	1,480	87	1,567	43.02	1,080	91.35	Sub Total ==>	0	0.00										
Ceiling Load					Ceiling Load														
Ventilation Load	102	-102	0	0.00	90	7.57	Ventilation Load	-76	0.00										
Ov/Undr Sizing	0	0	2,182	59.89	0	0.00	Ov/Undr Sizing	0	-1,166	50.48									
Exhaust Heat	0	0	0	0.00	13	1.08	Exhaust Heat	0	0	0.00									
Sup. Fan Heat	0	0	-106	-2.91			OA Preheat Diff.	37	-1.58										
Ret. Fan Heat	0	0	0	0.00			RA Preheat Diff.	-1,068	46.21										
Duct Heat Pkup	0	0	0	0.00			Additional Reheat	0	0.00										
Reheat at Design	0	0	0	0.00			System Plenum Heat	-113	4.89										
Grand Total ==>	1,582	-121	3,643	100.00	1,182	100.00	Grand Total ==>	-76	-2,310	100.00									
COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg									
ton	MBh	MBh	cfm °F °F gr/lb	°F °F gr/lb	ft² (%)	ft² (%)	MBh	cfm	°F	°F									
Main Clg	0.3	3.6	1.8	62	86.2	72.7	99.9	57.7	55.1	61.1	Floor	135			Main Htg	-0.3	18	57.7	73.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0			Preheat	-2.0	40	13.0	57.7
Total	0.3	3.6									Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	0	Opt Vent	0.0	0	0.0	0.0
											Total	-2.3			Total	-2.3			

Room Checksums

By ae

211-SHARED OFFICE PAYROLL

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 6 / 18		Mo/Hr: 13 / 1							Cooling		Heating	
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 84		OADB: 13							SADB	57.7	95.7	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	81.0	21.3			
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00	Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00	Fn BldTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Roof Cond	0	0	0.00	Fn Frict	0.0	0.0		
Glass Solar	2,093	0	19.41	2,620	43.44	0	0	0.00	Glass Solar	0	0	0.00					
Glass Cond	646	0	5.99	355	5.89	-2,358	-2,358	29.71	Glass Cond	-2,358	-2,358	29.71					
Wall Cond	17	51	0.63	13	0.21	-91	-437	5.51	Wall Cond	-91	-437	5.51					
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00					
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00					
Sub Total ==>	2,756	51	26.03	2,988	49.54	-2,448	-2,795	35.21	Sub Total ==>	-2,448	-2,795	35.21					
Internal Loads																	
Lights	1,048	262	12.15	1,048	17.38	0	0	0.00	Lights	0	0	0.00					
People	1,800	0	16.69	1,000	16.58	0	0	0.00	People	0	0	0.00					
Misc	717	0	6.65	717	11.88	0	0	0.00	Misc	0	0	0.00					
Sub Total ==>	3,565	262	35.48	2,765	45.84	0	0	0.00	Sub Total ==>	0	0	0.00					
Ceiling Load																	
Lights	318	-318	0.00	279	4.62	-238	0	0.00	Lights	-238	0	0.00					
Ventilation Load	0	0	40.45	0	0.00	0	-5,057	63.72	Ventilation Load	0	-5,057	63.72					
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat	0	-212	-1.97	0	0.00	0	159	-2.00	Exhaust Heat	0	159	-2.00					
Sup. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	OA Preheat Diff.	0	0	0.00					
Ret. Fan Heat	0	0	0.00	0	0.00	0	-165	2.08	RA Preheat Diff.	0	-165	2.08					
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	Additional Reheat	0	0	0.00					
Reheat at Design	0	0	0.00	0	0.00	0	-78	0.98	System Plenum Heat	0	-78	0.98					
Grand Total ==>	6,639	-217	100.00	6,031	100.00	-2,686	-7,937	100.00	Grand Total ==>	-2,686	-7,937	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.9	10.8	7.0	304	81.0	67.4	79.4	57.7	56.3	65.8	Floor	-4.0	94	57.7	95.7		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	-4.0	80	13.0	57.7		
Total	0.9	10.8									Roof	0.0	0	0.0	0.0		
											Wall	0.0	0	0.0	0.0		
											Total	-7.9					

Room Checksums

By ae

212-CASHIERS

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1						
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13						
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total							
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads			Envelope Loads				SADB			
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	57.7	74.3		
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	77.4	68.2		
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	77.4	68.2		
Glass Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	83.0	13.0		
Glass Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0		
Wall Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0		
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0		
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0		
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0		
<i>Sub Total ==></i>	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00				
Internal Loads					Internal Loads			Internal Loads				Fn MtrTD			
Lights	1,530	382	22.00	1,530	41.07	0	0	0.00	0	0	0.00	0.0	0.0		
People	1,800		20.71	1,000	26.85	0	0	0.00	0	0	0.00	0.0	0.0		
Misc	828	0	9.52	828	22.22	0	0	0.00	0	0	0.00	0.0	0.0		
<i>Sub Total ==></i>	4,157	382	52.24	3,357	90.14	0	0	0.00	0	0	0.00	0.0	0.0		
Ceiling Load					Ceiling Load			Ceiling Load				Fn BldTD			
Ventilation Load	367	-367	0.00	322	8.64	-275	0	0.00	-275	0	0.00	0.0	0.0		
Ov/Undr Sizing	0	0	50.20	0	0.00	0	-3,675	73.02	0	-3,675	73.02	0.0	0.0		
Exhaust Heat	0	-212	-2.44	46	1.23	0	0	0.00	0	0	0.00	0.0	0.0		
Sup. Fan Heat			0.00			0	115	-2.29	0	115	-2.29	0.0	0.0		
Ret. Fan Heat		0	0.00			0	-1,083	21.52	0	-1,083	21.52	0.0	0.0		
Duct Heat Pkup		0	0.00			0	0	0.00	0	0	0.00	0.0	0.0		
Reheat at Design			0.00			0	0	0.00	0	0	0.00	0.0	0.0		
<i>Grand Total ==></i>	4,525	-197	100.00	3,725	100.00	-275	-5,033	100.00	-275	-5,033	100.00				
COOLING COIL SELECTION					AREAS				HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass				Capacity	Coil Airflow	Ent	Lvg		
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)				MBh	cfm	°F	°F		
Main Clg	0.7	8.7	5.0	194	83.0	69.5	87.3	57.7	55.8	63.7	Main Htg	-1.1	58	57.7	74.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-4.0	80	13.0	57.7
<i>Total</i>	0.7	8.7									Humidif	0.0	0	0.0	0.0
											Opt Vent	0.0	0	0.0	0.0
											<i>Total</i>	-5.0			

Room Checksums

By ae

213-SUPERVISOR OFFICE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	57.7	74.7		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	77.4	68.2		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	77.4	68.2		
Envelope Loads					Envelope Loads			Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Ret/OA	83.0	13.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn MtrTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn BldTD	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Fn Frict	0.0	0.0		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00								
Internal Loads					Internal Loads			Internal Loads								
Lights	349	87	437	20.27	349	37.49	Lights	0	0.00				Vent	20	15	
People	450		450	20.88	250	26.82	People	0	0.00				Infil	0	0	
Misc	230	0	230	10.69	230	24.72	Misc	0	0.00				Supply	49	15	
Sub Total ==>	1,030	87	1,117	51.84	830	89.03	Sub Total ==>	0	0.00				MinStop/Rh	15	15	
Ceiling Load					Ceiling Load			Ceiling Load								
Ventilation Load	102	-102	0	0.00	90	9.61	Ventilation Load	-76	0.00				Return	49	15	
Ov/Undr Sizing	0	0	1,091	50.62	0	0.00	Ov/Undr Sizing	0	-920	72.63				Exhaust	20	15
Exhaust Heat		-53	-53	-2.46	13	1.36	Exhaust Heat		29	-2.28				Rm Exh	0	0
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-270	21.33				Auxil	0	0
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		0	0.00						
Duct Heat Pkup		0	0	0.00			Additional Reheat		0	0.00						
Reheat at Design			0	0.00			System Plenum Heat		-105	8.31						
Grand Total ==>	1,132	-68	2,155	100.00	932	100.00	Grand Total ==>	-76	-1,266	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.2	1.2	49	83.0	69.5	87.3	57.7	55.9	64.3	Floor	135	-0.3	15	57.7	74.7	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	-1.0	20	13.0	57.7	
Total	0.2	2.2									Roof	0	0.0	0	0.0	0.0	
											Wall	0	0.0	0	0.0	0.0	
											Total	-1.3					

Room Checksums

By ae

214-AR/CR SHARED OFFICE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling			Heating		
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91			OADB: 13				SADB	57.7	73.6	Plenum	77.4	68.2
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th>	Fn BldTD <th>Fn Frict </th>	Fn Frict				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h				
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			
Glass Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			
Glass Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			
Wall Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			
Internal Loads																	
Lights	1,398	350	1,748	33.50	1,398	53.52	0	0.00	0	0	0.00	0	0	0.00			
People	900		900	17.25	500	19.14	0	0.00	0	0	0.00	0	0	0.00			
Misc	495	0	495	9.48	495	18.94	0	0.00	0	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	2,793	350	3,143	60.23	2,393	91.59	0	0.00	0	0	0.00	0	0	0.00			
Ceiling Load																	
	220	-220	0	0.00	192	7.36	-164	0	0.00	0	0	0.00	0	0	0.00		
Ventilation Load	0	0	2,182	41.80	0	0.00	0	-2,529	93.53	0	0	0.00	0	0	0.00		
Ov/Undr Sizing	0		0	0.00	27	1.05	0	0	0.00	0	0	0.00	0	0	0.00		
Exhaust Heat		-106	-106	-2.03				79	-2.93								
Sup. Fan Heat			0	0.00				0	0.00								
Ret. Fan Heat		0	0	0.00				-9	0.34								
Duct Heat Pkup		0	0	0.00				0	0.00								
Reheat at Design			0	0.00				-245	9.06								
Grand Total ==>	3,013	24	5,218	100.00	2,613	100.00	-164	-2,704	100.00								

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.4	5.2	3.4	136	81.4	67.8	81.1	57.7	55.8	64.0	Floor	290	-0.7	41	57.7	73.6	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	-2.0	40	13.0	57.7	
											Roof	0	0.0	0	0.0	0.0	
											Wall	0	0.0	0	0.0	0.0	
Total	0.4	5.2											Humidif	0.0	0	0.0	0.0
													Opt Vent	0.0	0	0.0	0.0
													Total	-2.7			

AIRFLOWS			ENGINEERING CKS		
	Cooling	Heating		Cooling	Heating
Vent	40	40	% OA	29.4	98.1
Infil	0	0	cfm/ft²	0.47	0.14
Supply	136	41	cfm/ton	312.62	
MinStop/Rh	41	41	ft²/ton	666.88	
Return	136	41	Btu/hr-ft²	17.99	-9.32
Exhaust	40	40	No. People	2	
Rm Exh	0	0			
Auxil	0	0			

Room Checksums

By ae

215-STORAGE / FILE ROOM

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1						
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13						
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total							
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Vent	0	0	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Infil	0	0	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Supply	119	36	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				MinStop/Rh	36	36	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00				Return	119	36	
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00				Exhaust	0	0	
Partition	0	0	0.00	0	0.00	Partition	0	0.00				Rm Exh	0	0	
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00				Auxil	0	0	
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01				ENGINEERING CKS			
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01				% OA	0.0	0.0	
Internal Loads					Internal Loads			Internal Loads				cfm/ft²	0.30	0.09	
Lights	1,311	328	70.59	1,311	57.08	Lights	0	0.00				cfm/ton	617.69		
People	0	0	0.00	0	0.00	People	0	0.00				ft²/ton	2,068.19		
Misc	683	0	29.41	683	29.73	Misc	0	0.00				Btu/hr-ft²	5.80	-1.79	
Sub Total ==>	1,993	328	100.00	1,993	86.80	Sub Total ==>	0	0.00				No. People	0		
Ceiling Load					Ceiling Load			Ceiling Load							
Ventilation Load	303	-303	0.00	265	11.55	Ventilation Load	-226	0.00							
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00							
Exhaust Heat	0	0	0.00	38	1.64	Exhaust Heat	0	0.00							
Sup. Fan Heat	0	0	0.00			OA Preheat Diff.	0	0.00							
Ret. Fan Heat	0	0	0.00			RA Preheat Diff.	0	0.00							
Duct Heat Pkup	0	0	0.00			Additional Reheat	-419	58.48							
Reheat at Design	0	0	0.00			System Plenum Heat	-297	41.51							
Grand Total ==>	2,296	25	100.00	2,296	100.00	Grand Total ==>	-227	-717	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.3	119	77.4	63.4	65.5	57.7	56.2	65.5	Floor	400	-0.7	36	57.7	75.7		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.2	2.3								Roof	0	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
										Total	-0.7						

Room Checksums

By ae

216-CASH HANDLING WORK ROOM

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	57.7	73.8		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	77.4	68.2		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	77.4	68.2		
Envelope Loads					Envelope Loads			Envelope Loads				Ret/OA	82.2	13.0		
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00								
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00								
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS				
Lights	1,048	262	1,311	27.81	1,048	48.44	Lights	0	0.00				Vent	40	34	
People	900		900	19.10	500	23.10	People	0	0.00				Infil	0	0	
Misc	427	0	427	9.05	427	19.71	Misc	0	0.00				Supply	113	34	
Sub Total ==>	2,375	262	2,637	55.96	1,975	91.25	Sub Total ==>	0	0.00				MinStop/Rh	34	34	
Ceiling Load					Ceiling Load			Ceiling Load				Return	113	34		
Ventilation Load	189	-189	0	0.00	166	7.66	Ventilation Load	-142	0.00				Exhaust	40	34	
Ov/Undr Sizing	0	0	2,182	46.29	0	0.00	Ov/Undr Sizing	0	-2,136	82.61				Rm Exh	0	0
Exhaust Heat		-106	-106	-2.25	24	1.09	Exhaust Heat	0	0.00				Auxil	0	0	
Sup. Fan Heat			0	0.00			OA Preheat Diff.		67	-2.59				ENGINEERING CKS		
Ret. Fan Heat			0	0.00			RA Preheat Diff.		-308	11.91				% OA	35.5	100.0
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00				cfm/ft²	0.45	0.14
Reheat at Design			0	0.00			System Plenum Heat		0	0.00				cfm/ton	286.75	
Grand Total ==>	2,564	-33	4,713	100.00	2,164	100.00	Grand Total ==>	-142	-2,585	100.00				ft²/ton	636.58	
												Btu/hr-ft²	18.85	-10.34		
												No. People	2			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.4	4.7	2.8	113	82.2	68.7	84.3	57.7	55.7	63.7	Floor	250					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	-0.6	34	57.7		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0		
Total	0.4	4.7		0	0.0	0.0	0.0	0.0	0.0	0.0	Roof	0	-2.0	40	13.0		
											Wall	0	0.0	0	0.0		
													0.0	0	0.0		
													0.0	0	0.0		
													Opt Vent	0.0	0.0		
													Total	-2.6			

Room Checksums

By ae

217-ASSOCIATE DIRECTOR 4

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 6 / 18		Mo/Hr: 13 / 1						Cooling		Heating
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 84		OADB: 84								
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)							
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h								
Envelope Loads															
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00	SADB	57.7	96.9
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00	Plenum	77.4	68.2
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Roof Cond	0	0	0.00	Return	77.4	68.2
Glass Solar	698	0	22.58	873	45.60	0	0	0.00	Glass Solar	0	0	0.00	Ret/OA	80.2	31.3
Glass Cond	215	0	6.97	118	6.18	-786	-786	34.29	Glass Cond	-786	-786	34.29	Fn MtrTD	0.0	0.0
Wall Cond	6	17	0.73	4	0.22	-30	-146	6.35	Wall Cond	-30	-146	6.35	Fn BldTD	0.0	0.0
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00	Fn Frict	0.0	0.0
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00			
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00			
Sub Total ==>	919	17	30.28	996	52.00	-816	-932	40.64	Sub Total ==>	-816	-932	40.64			
Internal Loads															
Lights	349	87	14.13	349	18.24	0	0	0.00	Lights	0	0	0.00			
People	450		14.56	250	13.05	0	0	0.00	People	0	0	0.00			
Misc	230	0	7.45	230	12.03	0	0	0.00	Misc	0	0	0.00			
Sub Total ==>	1,030	87	36.15	830	43.33	0	0	0.00	Sub Total ==>	0	0	0.00			
Ceiling Load															
	102	-102	0.00	90	4.67	-76	0	0.00	Ceiling Load	-76	0	0.00			
Ventilation Load	0	0	35.29	0	0.00	0	-1,264	55.16	Ventilation Load	0	-1,264	55.16			
Ov/Undr Sizing	0		0.00	0	0.00	0	0	0.00	Ov/Undr Sizing	0	0	0.00			
Exhaust Heat		-53	-1.72				40	-1.73	Exhaust Heat		40	-1.73			
Sup. Fan Heat			0.00				0	0.00	OA Preheat Diff.		0	0.00			
Ret. Fan Heat		0	0.00				-116	5.05	RA Preheat Diff.		-116	5.05			
Duct Heat Pkup		0	0.00				0	0.00	Additional Reheat		0	0.00			
Reheat at Design			0.00				-20	0.88	System Plenum Heat		-20	0.88			
Grand Total ==>	2,051	-51	100.00	1,915	100.00	-893	-2,292	100.00	Grand Total ==>	-893	-2,292	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	°F	°F	gr/lb	°F	°F	gr/lb	ft² (%)	MBh	cfm	°F	°F				
Main Clg	0.3	3.1	2.2	96	80.2	66.6	76.5	57.7	56.4	66.5	135	-1.3	30	57.7	96.9		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0	-1.0	20	13.0	57.7		
Total	0.3	3.1									90	0.0	0	0.0	0.0		
											46	0.0	0	0.0	0.0		
											52	0.0	0	0.0	0.0		
												-2.3					

Room Checksums

By ae

218-STORAGE ROOM

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1						
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13						
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total							
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads			Envelope Loads				SADB			
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	57.7	79.5		
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	77.4	68.2		
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	77.4	68.2		
Glass Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	77.4	68.2		
Glass Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0		
Wall Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0		
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0		
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0		
Infiltration	0	0	0.00	0	0.00	0	0	0.01	0	0	0.01	0.0	0.0		
<i>Sub Total ==></i>	0	0	0.00	0	0.00	0	0	0.01	0	0	0.01	0.0	0.0		
Internal Loads					Internal Loads			Internal Loads				Fn MtrTD			
Lights	1,311	328	1,639	100.00	1,311	78.11	0	0	0.00	0	0	0.00	0.0	0.0	
People	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	
Misc	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	
<i>Sub Total ==></i>	1,311	328	1,639	100.00	1,311	78.11	0	0	0.00	0	0	0.00	0.0	0.0	
Ceiling Load					Ceiling Load			Ceiling Load				Fn BldTD			
Ventilation Load	367	-367	0	0.00	322	19.16	-275	0	0.00	0	0	0.00	0.0	0.0	
Ov/Undr Sizing	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	
Exhaust Heat	0	0	0	0.00	46	2.72	0	0	0.00	0	0	0.00	0.0	0.0	
Sup. Fan Heat	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	
Ret. Fan Heat	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	
Duct Heat PkUp	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	
Reheat at Design	0	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	
<i>Grand Total ==></i>	1,678	-40	1,639	100.00	1,678	100.00	-275	-633	100.00	-275	-633	100.00	0.0	0.0	

AIRFLOWS										
		Cooling	Heating							
Vent		0	0							
Infil		0	0							
Supply		87	26							
MinStop/Rh		26	26							
Return		87	26							
Exhaust		0	0							
Rm Exh		0	0							
Auxil		0	0							

ENGINEERING CKS										
		Cooling	Heating							
% OA		0.0	0.0							
cfm/ft²		0.18	0.05							
cfm/ton		639.42								
ft²/ton		3,551.41								
Btu/hr-ft²		3.38	-1.31							
No. People		0								

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.1	1.6	1.6	87	77.4	63.4	65.5	57.7	56.2	65.5	Floor	485	-0.6	26	57.7	79.5	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0	
<i>Total</i>	0.1	1.6									Roof	0	0	0	0.0	0.0	
											Wall	0	0	0	0.0	0.0	
											<i>Total</i>	-0.6					

Room Checksums

By ae

219-DIRECTOR OFFICE

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 6 / 18					Mo/Hr: 13 / 1							
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 84					OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)				SADB	Cooling	Heating			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h										
Envelope Loads					Envelope Loads					Envelope Loads							
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00	77.4	96.7			
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00	77.4	68.2			
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Roof Cond	0	0	0.00	77.4	68.2			
Glass Solar	698	0	22.39	873	44.77	0	0	0.00	Glass Solar	0	0	0.00	80.2	32.0			
Glass Cond	215	0	6.91	118	6.07	-786	-786	34.05	Glass Cond	-786	-786	34.05	0.0	0.0			
Wall Cond	6	17	0.73	4	0.22	-30	-146	6.31	Wall Cond	-30	-146	6.31	0.0	0.0			
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00	0.0	0.0			
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00	0.0	0.0			
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00	0.0	0.0			
Sub Total ==>	919	17	30.03	996	51.06	-816	-932	40.36	Sub Total ==>	-816	-932	40.36	Fn MtrTD	0.0	0.0		
Internal Loads					Internal Loads					Internal Loads							
Lights	349	87	14.01	349	17.91	0	0	0.00	Lights	0	0	0.00	0.0	0.0			
People	450	0	14.44	250	12.82	0	0	0.00	People	0	0	0.00	102	30			
Misc	256	0	8.21	256	13.12	0	0	0.00	Misc	0	0	0.00	30	30			
Sub Total ==>	1,055	87	36.67	855	43.85	0	0	0.00	Sub Total ==>	0	0	0.00	102	30			
Ceiling Load					Ceiling Load					Ceiling Load							
Lights	114	-114	0.00	99	5.10	-85	0	0.00	Lights	-85	0	0.00	20	20			
Ventilation Load	0	0	35.00	0	0.00	0	-1,264	54.77	Ventilation Load	0	-1,264	54.77	0	0			
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	Ov/Undr Sizing	0	0	0.00	30	30			
Exhaust Heat		-53	-1.70				40	-1.72	Exhaust Heat		40	-1.72	102	30			
Sup. Fan Heat		0	0.00				0	0.00	OA Preheat Diff.		0	0.00	20	20			
Ret. Fan Heat		0	0.00				-122	5.29	RA Preheat Diff.		-122	5.29	0	0			
Duct Heat Pkup		0	0.00				0	0.00	Additional Reheat		0	0.00	0	0			
Reheat at Design		0	0.00				-30	1.29	System Plenum Heat		-30	1.29	0	0			
Grand Total ==>	2,088	-62	100.00	1,951	100.00	-901	-2,308	100.00	Grand Total ==>	-901	-2,308	100.00	Auxil	0	0		

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	°F	°F	gr/lb	°F	°F	gr/lb	ft²	ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.3	3.1	2.2	98	80.2	66.5	76.3	57.7	56.5	66.7	Floor	150	-1.3	30	57.7	96.7	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	-1.0	20	13.0	57.7	
											Roof	0	0.0	0	0.0	0.0	
Total	0.3	3.1									Wall	90	46	52	0.0	0.0	
											Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-2.3					

Room Checksums

By ae

220-AUDITORS CONFERENCE ROOM

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 6 / 18		Mo/Hr: 13 / 1			Cooling		Heating						
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 84		OADB: 13											
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	SADB	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads					Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	0	0	0.00							
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	0	0	0.00							
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	0	0	0.00							
Glass Solar	1,396	0	4.80	1,747	22.53	Glass Solar	0	0.00	0	0	0.00							
Glass Cond	431	0	1.48	237	3.05	Glass Cond	-1,572	7.39	-1,572	-1,572	7.39							
Wall Cond	11	34	0.16	9	0.11	Wall Cond	-60	1.37	-60	-291	1.37							
Partition	0	0	0.00	0	0.00	Partition	0	0.00	0	0	0.00							
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	0	0	0.00							
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	0	0	0.00							
Sub Total ==>	1,837	34	6.43	1,992	25.69	Sub Total ==>	-1,632	8.76	-1,632	-1,863	8.76							
Internal Loads					Internal Loads					Internal Loads								
Lights	699	175	3.00	699	9.02	Lights	0	0.00	0	0	0.00							
People	7,200	0	24.75	4,410	56.88	People	0	0.00	0	0	0.00							
Misc	469	0	1.61	469	6.05	Misc	0	0.00	0	0	0.00							
Sub Total ==>	8,368	175	29.36	5,578	71.95	Sub Total ==>	0	0.00	0	0	0.00							
Ceiling Load	208	-208	0.00	182	2.35	Ceiling Load	-156	0.00	-156	0	0.00							
Ventilation Load	0	0	67.48	0	0.00	Ventilation Load	0	35.95	-7,650	0	35.95							
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00	0	0	0.00							
Exhaust Heat	0	-954	-3.28	0	0.00	Exhaust Heat	0	-1.13	240	0	-1.13							
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	55.65	-11,840	0	55.65							
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00	0	0	0.00							
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	0	0.00	0	0	0.00							
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	0	0.77	-165	0	0.77							
Grand Total ==>	10,414	-954	29,094	100.00	7,753	100.00	Grand Total ==>	-1,788	-21,277	100.00								

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg							
ton	MBh	MBh	cfm °F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F							
Main Clg	2.4	29.1	13.1	397	89.7	75.8	113.4	57.7	54.9	60.4	Main Htg	-3.4	121	57.7	83.3		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-17.8	360	13.0	57.7		
Total	2.4	29.1									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-21.3					

Room Checksums

By ae

221-CONFERENCE ROOM

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES						
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1			Cooling			Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13			SADB	57.7	71.3	Plenum	77.4	68.2		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <td>77.4</td> <td>68.2</td> <th>Ret/OA</th> <td>91.0</td> <td>13.0</td>	77.4	68.2	Ret/OA	91.0	13.0			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0	Fn BldTD	0.0	0.0			
Envelope Loads					Envelope Loads					AIRFLOWS							
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Vent	380	114	Infil	0	0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Supply	380	114	MinStop/Rh	114	114			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Return	380	114	Exhaust	380	114			
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Rm Exh	0	0	Auxil	0	0			
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	ENGINEERING CKS								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	% OA	100.0	100.0	cfm/ft²	1.36	0.41			
Partition	0	0	0.00	0	0.00	Partition	0	0.00	cfm/ton	161.33		ft²/ton	118.88				
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Btu/hr-ft²	100.95	-73.37	No. People	19				
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00									
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00									
Internal Loads					Internal Loads												
Lights	1,458	364	1,822	6.45	1,458	19.96	Lights	0	0.00								
People	7,600		7,600	26.89	4,655	63.73	People	0	0.00								
Misc	478	0	478	1.69	478	6.54	Misc	0	0.00								
Sub Total ==>	9,536	364	9,900	35.03	6,591	90.24	Sub Total ==>	0	0.00								
Ceiling Load					Ceiling Load												
	212	-212	0	0.00	186	2.54		-159	0.00								
Ventilation Load					Ventilation Load												
	0	0	19,303	68.29	0	0.00		0	-7,207	35.08							
Ov/Undr Sizing					Ov/Undr Sizing												
	0		0	0.00	527	7.22		0	0	0.00							
Exhaust Heat					Exhaust Heat												
		-938	-938	-3.32					226	-1.10							
Sup. Fan Heat					Sup. Fan Heat												
			0	0.00					-13,178	64.15							
Ret. Fan Heat					Ret. Fan Heat												
			0	0.00					0	0.00							
Duct Heat Pkup					Duct Heat Pkup												
			0	0.00					0	0.00							
Reheat at Design					Reheat at Design												
			0	0.00					-384	1.87							
Grand Total ==>	9,748	-786	28,265	100.00	7,304	100.00	Grand Total ==>	-159	-20,543	100.00							
COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	2.4	28.3	12.3	354	91.0	76.9	118.3	57.7	54.3	58.1	Main Htg	-1.7	114	57.7	71.3		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-18.8	380	13.0	57.7		
Total	2.4	28.3									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-20.5					

Room Checksums

By ae

222-FINANCIAL & RECEPTION

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 13			Mo/Hr: 11 / 12		Mo/Hr: 13 / 1			Cooling		Heating						
Outside Air:		OADB/WB/HR: 89 / 76 / 113			OADB: 61		OADB: 61			OADB: 13								
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	SADB	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads					Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	57.7	77.4	77.4	80.4	0.0	0.0	0.0
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	78.0	68.2	68.2	34.8	0.0	0.0	0.0
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Glass Solar	5,851	0	21.96	13,278	62.69	0	0	0.00	0	0	0.00							
Glass Cond	565	0	2.12	-582	-2.75	0	0	0.00	-2,358	-2,358	13.59							
Wall Cond	23	63	0.32	-20	-0.09	0	0	0.00	-110	-467	2.69							
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Sub Total ==>	6,440	63	24.41	12,676	59.85	-2,467	-2,825	16.28										
Internal Loads					Internal Loads					Internal Loads								
Lights	4,085	1,021	19.16	4,085	19.29	0	0	0.00	0	0	0.00							
People	4,500	0	16.89	2,500	11.80	0	0	0.00	0	0	0.00							
Misc	1,382	0	5.19	1,382	6.53	0	0	0.00	0	0	0.00							
Sub Total ==>	9,967	1,021	41.24	7,967	37.62	0	0	0.00										
Ceiling Load					Ceiling Load					Ceiling Load								
Ventilation Load	613	-613	0.00	537	2.54	-459	0	0.00	0	0	0.00							
Ov/Undr Sizing	0	0	36.34	0	0.00	0	-12,643	72.85	0	0	0.00							
Exhaust Heat	0	-530	-1.99	0	0.00	0	396	-2.28	0	0	0.00							
Sup. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Ret. Fan Heat	0	0	0.00	0	0.00	0	-1,527	8.80	0	0	0.00							
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Reheat at Design	0	0	0.00	0	0.00	0	-756	4.35	0	0	0.00							
Grand Total ==>	17,021	-60	100.00	21,180	100.00	-2,926	-17,355	100.00										

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg								
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F								
Main Clg	2.2	26.7	18.1	781	80.4	66.8	77.6	57.7	56.1	65.0	Main Htg	-7.5	331	57.7	78.0			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-9.9	200	13.0	57.7			
Total	2.2	26.7									Humidif	0.0	0	0.0	0.0			
											Opt Vent	0.0	0	0.0	0.0			
											Total	-17.4						

Room Checksums

By ae

224-COUNSELING OFFICE 4

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	57.7	73.1		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	77.4	68.2		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	77.4	68.2		
Envelope Loads					Envelope Loads			Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Ret/OA	86.8	13.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn MtrTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn BldTD	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Fn Frict	0.0	0.0		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00								
Internal Loads					Internal Loads			Internal Loads								
Lights	349	87	437	12.16	349	31.54	Lights	0	0.00							
People	900		900	25.06	500	45.12	People	0	0.00							
Misc	179	0	179	4.99	179	16.17	Misc	0	0.00							
Sub Total ==>	1,429	87	1,516	42.21	1,029	92.82	Sub Total ==>	0	0.00							
Ceiling Load					Ceiling Load			Ceiling Load								
Ventilation Load	0	-80	0	0.00	70	6.28	Ventilation Load	0	0.00							
Ov/Undr Sizing	0	0	2,182	60.74	0	0.00	Ov/Undr Sizing	0	-1,093	48.01						
Exhaust Heat		-106	-106	-2.95	10	0.89	Exhaust Heat	0	0	0.00						
Sup. Fan Heat			0	0.00			OA Preheat Diff.		34	-1.51						
Ret. Fan Heat			0	0.00			RA Preheat Diff.		-1,125	49.38						
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00						
Reheat at Design			0	0.00			System Plenum Heat		-94	4.11						
Grand Total ==>	1,508	-98	3,592	100.00	1,108	100.00	Grand Total ==>	-60	-2,278	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION							
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg						
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F					
Main Clg	0.3	3.6	1.7	58	86.8	73.2	102.1	57.7	54.8	60.0	Floor	105	0	0	0	Main Htg	-0.3	17	57.7	73.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0	0	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0	0	0	Preheat	-2.0	40	13.0	57.7
Total	0.3	3.6									Roof	0	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	0	0	Opt Vent	0.0	0	0.0	0.0
											Total					Total	-2.3			

Room Checksums

By ae

225-COUNSELING OFFICE 3

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES						
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1			Cooling			Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13			SADB	57.7	73.7	Plenum	77.4	68.2		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <td>77.4</td> <td>68.2</td> <th>Ret/OA <td>86.2</td> <td>13.0</td> </th>	77.4	68.2	Ret/OA <td>86.2</td> <td>13.0</td>	86.2	13.0			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD <td>0.0</td> <td>0.0</td> <th>Fn BldTD</th> <td>0.0</td> <td>0.0</td>	0.0	0.0	Fn BldTD	0.0	0.0			
Envelope Loads					Envelope Loads					AIRFLOWS							
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Vent	40	18	Infil	0	0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Supply	62	18	MinStop/Rh	18	18			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Return	62	18	Exhaust	40	18			
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Rm Exh	0	0	Auxil	0	0			
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	Sub Total ==>	0	0	ENGINEERING CKS					
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	% OA	65.0	100.0	cfm/ft²	0.46	0.14			
Partition	0	0	0.00	0	0.00	Partition	0	0.00	cfm/ton	202.61		ft²/ton	444.73				
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Btu/hr-ft²	26.98	-17.11	No. People	2				
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00									
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00									
Internal Loads					Internal Loads												
Lights	349	87	437	11.99	349	29.56	Lights	0	0.00								
People	900		900	24.71	500	42.30	People	0	0.00								
Misc	230	0	230	6.32	230	19.49	Misc	0	0.00								
Sub Total ==>	1,480	87	1,567	43.02	1,080	91.35	Sub Total ==>	0	0.00								
Ceiling Load					Ceiling Load												
Ventilation Load	102	-102	0	0.00	90	7.57	Ventilation Load	-76	0.00								
Ov/Undr Sizing	0	0	2,182	59.89	0	0.00	Ov/Undr Sizing	0	-1,166	50.48							
Exhaust Heat		-106	-106	-2.91	13	1.08	Exhaust Heat		37	-1.58							
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-1,068	46.21							
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00							
Duct Heat PkUp			0	0.00			Additional Reheat		0	0.00							
Reheat at Design			0	0.00			System Plenum Heat		-113	4.89							
Grand Total ==>	1,582	-121	3,643	100.00	1,182	100.00	Grand Total ==>	-76	-2,310	100.00							
COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg							
ton	MBh	MBh	cfm °F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F							
Main Clg	0.3	3.6	1.8	62	86.2	72.7	99.9	57.7	55.1	61.1	Main Htg	-0.3	18	57.7	73.7		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-2.0	40	13.0	57.7		
Total	0.3	3.6									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-2.3					

Room Checksums

By ae

226-COUNSELING OFFICE 2

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1			Cooling		Heating	
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13			SADB	57.7	73.7	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	86.2	13.0		
Envelope Loads					Envelope Loads			Envelope Loads			Fn MtrTD	0.0	0.0
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00					
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00					
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00					
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00					
Partition	0	0	0.00	0	0.00	Partition	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00					
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00					
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00					
Internal Loads					Internal Loads			Internal Loads					
Lights	349	87	437	11.99	349	29.56	Lights	0	0.00	Vent	40	18	
People	900		900	24.71	500	42.30	People	0	0.00	Infil	0	0	
Misc	230	0	230	6.32	230	19.49	Misc	0	0.00	Supply	62	18	
Sub Total ==>	1,480	87	1,567	43.02	1,080	91.35	Sub Total ==>	0	0.00	MinStop/Rh	18	18	
										Return	62	18	
										Exhaust	40	18	
										Rm Exh	0	0	
										Auxil	0	0	
Ceiling Load	102	-102	0	0.00	90	7.57	Ceiling Load	-76	0.00				
Ventilation Load	0	0	2,182	59.89	0	0.00	Ventilation Load	0	-1,166	50.48			
Ov/Undr Sizing	0		0	0.00	13	1.08	Ov/Undr Sizing	0	0	0.00			
Exhaust Heat		-106	-106	-2.91			Exhaust Heat		37	-1.58			
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-1,068	46.21			
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		0	0.00			
Duct Heat Pkup		0	0	0.00			Additional Reheat		0	0.00			
Reheat at Design			0	0.00			System Plenum Heat		-113	4.89			
Grand Total ==>	1,582	-121	3,643	100.00	1,182	100.00	Grand Total ==>	-76	-2,310	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil	Airflow	Enter DB/WB/HR		Leave DB/WB/HR		Gross Total	Glass	Capacity	Coil	Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	°F	°F	ft²	(%)	MBh	cfm	°F	°F	°F			
Main Clg	0.3	3.6	1.8	62	86.2	72.7	99.9	Floor	135	Main Htg	-0.3	18	57.7	73.7			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	ExFlr	0	Preheat	-2.0	40	13.0	57.7			
Total	0.3	3.6						Roof	0	Humidif	0.0	0	0.0	0.0			
								Wall	0	Opt Vent	0.0	0	0.0	0.0			
										Total	-2.3						

Room Checksums

By ae

227-COUNSELING OFFICE 1

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES						
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1			Cooling			Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13			SADB	57.7	73.7	Plenum	77.4	68.2		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <td>77.4</td> <td>68.2</td> <th>Ret/OA <td>86.2</td> <td>13.0</td> </th>	77.4	68.2	Ret/OA <td>86.2</td> <td>13.0</td>	86.2	13.0			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD <td>0.0</td> <td>0.0</td> <th>Fn BldTD</th> <td>0.0</td> <td>0.0</td>	0.0	0.0	Fn BldTD	0.0	0.0			
Envelope Loads					Envelope Loads					AIRFLOWS							
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Vent	40	18	Infil	0	0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Supply	62	18	MinStop/Rh	18	18			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Return	62	18	Exhaust	40	18			
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Rm Exh	0	0	Auxil	0	0			
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	ENGINEERING CKS								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	% OA	65.0	100.0	cfm/ft²	0.46	0.14			
Partition	0	0	0.00	0	0.00	Partition	0	0.00	cfm/ton	202.61		ft²/ton	444.73				
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Btu/hr-ft²	26.98	-17.11	No. People	2				
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00									
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00									
Internal Loads					Internal Loads												
Lights	349	87	437	11.99	349	29.56	Lights	0	0.00								
People	900		900	24.71	500	42.30	People	0	0.00								
Misc	230	0	230	6.32	230	19.49	Misc	0	0.00								
Sub Total ==>	1,480	87	1,567	43.02	1,080	91.35	Sub Total ==>	0	0.00								
Ceiling Load					Ceiling Load												
Ventilation Load	102	-102	0	0.00	90	7.57	Ventilation Load	-76	0.00								
Ov/Undr Sizing	0	0	2,182	59.89	0	0.00	Ov/Undr Sizing	0	-1,166	50.48							
Exhaust Heat			0	0.00	13	1.08	Exhaust Heat	0	0	0.00							
Sup. Fan Heat			-106	-2.91			OA Preheat Diff.		37	-1.58							
Ret. Fan Heat			0	0.00			RA Preheat Diff.		-1,068	46.21							
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00							
Reheat at Design			0	0.00			System Plenum Heat		-113	4.89							
Grand Total ==>	1,582	-121	3,643	100.00	1,182	100.00	Grand Total ==>	-76	-2,310	100.00							
COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.3	3.6	1.8	62	86.2	72.7	99.9	57.7	55.1	61.1	Floor	135					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0					
Total	0.3	3.6									Roof	0	0	0			
											Wall	0	0	0			
											Main Htg	-0.3	18	57.7	73.7		
											Aux Htg	0.0	0	0.0	0.0		
											Preheat	-2.0	40	13.0	57.7		
											Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-2.3					

Room Checksums

By ae

228-OFFICE SUPPORT WORK AREA

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling			Heating	
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91			OADB: 13				SADB	57.7	74.3		
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Coil Peak	Percent	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)					
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS				
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	SADB	57.7	74.3	TEMPERATURES	
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	Plenum	77.4	68.2	AIRFLOWS	
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	Return	77.4	68.2	TEMPERATURES	
Glass Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	Ret/OA	84.3	13.0	AIRFLOWS	
Glass Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	Fn MtrTD	0.0	0.0	TEMPERATURES	
Wall Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	Fn BldTD	0.0	0.0	TEMPERATURES	
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	Fn Frict	0.0	0.0	TEMPERATURES	
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	AIRFLOWS				
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	Vent	60	36	TEMPERATURES	
Sub Total ==>	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	Infil	0	0	TEMPERATURES	
Internal Loads					Internal Loads			Internal Loads				Supply	118	36	TEMPERATURES	
Lights	786	197	983	16.50	786	34.56	Lights	0	0	0.00	MinStop/Rh	36	36	TEMPERATURES		
People	1,350		1,350	22.66	750	32.96	People	0	0	0.00	Return	118	36	TEMPERATURES		
Misc	512	0	512	8.59	512	22.50	Misc	0	0	0.00	Exhaust	60	36	TEMPERATURES		
Sub Total ==>	2,648	197	2,845	47.75	2,048	90.01	Sub Total ==>	0	0	0.00	Rm Exh	0	0	TEMPERATURES		
Ceiling Load					Ceiling Load			Ceiling Load				Auxil	0	0	TEMPERATURES	
Ventilation Load	0	0	3,272	54.92	0	0.00	Ventilation Load	0	-2,245	61.89	ENGINEERING CKS					
Ov/Undr Sizing	0	0	0	0.00	28	1.24	Ov/Undr Sizing	0	0	0.00	% OA	50.7	100.0	TEMPERATURES		
Exhaust Heat		-159	-159	-2.67			Exhaust Heat		70	-1.94	cfm/ft²	0.39	0.12	TEMPERATURES		
Sup. Fan Heat		0	0	0.00			OA Preheat Diff.		-1,213	33.43	cfm/ton	238.45		TEMPERATURES		
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		0	0.00	ft²/ton	604.22		TEMPERATURES		
Duct Heat Pkup		0	0	0.00			Additional Reheat		0	0.00	Btu/hr-ft²	19.86	-12.09	TEMPERATURES		
Reheat at Design		0	0	0.00			System Plenum Heat		-240	6.62	No. People	3		TEMPERATURES		
Grand Total ==>	2,876	-190	5,958	100.00	2,276	100.00	Grand Total ==>	-170	-3,628	100.00	ENGINEERING CKS					

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.5	6.0	3.2	118	84.3	70.8	92.3	57.7	55.6	63.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.5	6.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	300		
Part	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
Main Htg	-0.7	36	57.7	74.3
Aux Htg	0.0	0	0.0	0.0
Preheat	-3.0	60	13.0	57.7
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-3.6			

Room Checksums

By ae

228A-STORAGE / FILE AREA

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1						
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13						
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total							
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				SADB	57.7	78.1	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Plenum	77.4	68.2	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Return	77.4	68.2	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Ret/OA	77.4	68.2	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00				Fn MtrTD	0.0	0.0	
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00				Fn BldTD	0.0	0.0	
Partition	0	0	0.00	0	0.00	Partition	0	0.00				Fn Frict	0.0	0.0	
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00				ENGINEERING CKS			
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.03				% OA	0.0	0.0	
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.03				cfm/ft²	0.21	0.06	
Internal Loads					Internal Loads			Internal Loads				cfm/ton	614.93		
Lights	524	131	655	100.00	524	81.22	Lights	0	0.00				ft²/ton	2,929.81	
People	0	0	0.00	0	0.00	People	0	0.00				Btu/hr-ft²	4.10	-1.43	
Misc	0	0	0.00	0	0.00	Misc	0	0.00				No. People	0		
Sub Total ==>	524	131	655	100.00	524	81.22	Sub Total ==>	0	0.00						
Ceiling Load					Ceiling Load			Ceiling Load							
Ventilation Load	0	0	0.00	0	0.00	Ventilation Load	0	0.00							
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00							
Exhaust Heat		0	0.00			Exhaust Heat		0.00							
Sup. Fan Heat			0.00			OA Preheat Diff.		0.00							
Ret. Fan Heat		0	0.00			RA Preheat Diff.		0.00							
Duct Heat Pkup		0	0.00			Additional Reheat		-118	51.58						
Reheat at Design			0.00			System Plenum Heat		-111	48.40						
Grand Total ==>	645	10	655	100.00	645	100.00	Grand Total ==>	-91	-228	100.00					

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.1	0.7	0.7	34	77.4	63.4	65.5	57.7	56.2	65.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.1	0.7								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	160		
Part	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
Main Htg	-0.2	10	57.7	78.1
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.2			

Room Checksums

By ae

229-ASSOCIATE DIRECTOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1			Cooling			Heating		
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13			SADB	57.7	74.7	Plenum	77.4	68.2
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <td>77.4</td> <td>68.2</td> <th>Ret/OA</th> <td>83.0</td> <td>13.0</td>	77.4	68.2	Ret/OA	83.0	13.0	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0	Fn BldTD	0.0	0.0	
Envelope Loads					Envelope Loads					AIRFLOWS					
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Vent	20	15	Infil	0	0	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Supply	49	15	MinStop/Rh	15	15	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Return	49	15	Exhaust	20	15	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Rm Exh	0	0	Auxil	0	0	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	ENGINEERING CKS						
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	% OA	41.2	100.0	cfm/ft²	0.36	0.11	
Partition	0	0	0.00	0	0.00	Partition	0	0.00	cfm/ton	270.05		ft²/ton	751.76		
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Btu/hr-ft²	15.96	-9.38	No. People	1		
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00							
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00							
Internal Loads					Internal Loads										
Lights	349	87	437	20.27	349	37.49	Lights	0	0.00						
People	450		450	20.88	250	26.82	People	0	0.00						
Misc	230	0	230	10.69	230	24.72	Misc	0	0.00						
Sub Total ==>	1,030	87	1,117	51.84	830	89.03	Sub Total ==>	0	0.00						
Ceiling Load					Ceiling Load										
Ventilation Load	102	-102	0	0.00	90	9.61	Ventilation Load	-76	0.00						
Ov/Undr Sizing	0	0	1,091	50.62	0	0.00	Ov/Undr Sizing	0	-920	72.63					
Exhaust Heat		-53	-53	-2.46	13	1.36	Exhaust Heat		29	-2.28					
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-270	21.33					
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		0	0.00					
Duct Heat Pkup		0	0	0.00			Additional Reheat		0	0.00					
Reheat at Design			0	0.00			System Plenum Heat		-105	8.31					
Grand Total ==>	1,132	-68	2,155	100.00	932	100.00	Grand Total ==>	-76	-1,266	100.00					
COOLING COIL SELECTION					AREAS					HEATING COIL SELECTION					
Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg	
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F
Main Clg	0.2	2.2	1.2	49	83.0	69.5	87.3	57.7	55.9	64.3	Main Htg	-0.3	15	57.7	74.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-1.0	20	13.0	57.7
Total	0.2	2.2									Humidif	0.0	0	0.0	0.0
											Opt Vent	0.0	0	0.0	0.0
											Total	-1.3			

Room Checksums

By ae

230-DIRECTOR OFFICE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 14				Mo/Hr: 13 / 1							
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total								
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)								
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Cooling	Heating			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Vent	20	20		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Infil	0	0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Supply	18,208	5,463		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00				MinStop/Rh	5,463	5,463		
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00				Return	18,208	5,463		
Partition	0	0	0.00	0	0.00	Partition	0	0.00				Exhaust	20	20		
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00				Rm Exh	0	0		
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00				Auxil	0	0		
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00				ENGINEERING CKS				
Internal Loads					Internal Loads			Internal Loads				% OA				
Lights	349,355	87,339	436,693	99.60	349,355	99.82	Lights	0	0.00				cfm/ft²	121.39	36.42	
People	450		450	0.10	250	0.07	People	0	0.00				cfm/ton	498.36		
Misc	256	0	256	0.06	256	0.07	Misc	0	0.00				ft²/ton	4.11		
Sub Total ==>	350,061	87,339	437,399	99.76	349,861	99.97	Sub Total ==>	0	0.00				Btu/hr-ft²	2,922.91	-505.18	
Ceiling Load					Ceiling Load			Ceiling Load				No. People				
Ventilation Load	114	-114	0	0.00	99	0.03	Ventilation Load	-85	0.00					1		
Ov/Undr Sizing	0	0	1,091	0.25	0	0.00	Ov/Undr Sizing	0	-1,264	1.67						
Exhaust Heat		-53	-53	-0.01	14	0.00	Exhaust Heat	0	0	0.00						
Sup. Fan Heat			0	0.00			OA Preheat Diff.		40	-0.05						
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00						
Duct Heat PkUp			0	0.00			Additional Reheat		-63,643	83.99						
Reheat at Design			0	0.00			System Plenum Heat		-10,909	14.40						
Grand Total ==>	350,174	87,172	438,437	100.00	349,974	100.00	Grand Total ==>	-85	-75,777	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.		Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F	
Main Clg	36.5	438.4	437.5	18,208	77.4	63.4	65.6	57.7	55.4	62.5	Floor	150	Main Htg	-74.8	5,463	57.7	70.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	-1.0	20	13.0	57.7
											Roof	0					
											Wall	0					
Total	36.5	438.4											Humidif	0.0	0	0.0	0.0
													Opt Vent	0.0	0	0.0	0.0
													Total	-75.8			

Room Checksums

By ae

231-ASSISTANT DIRECTOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	57.7	74.7		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	77.4	68.2		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	77.4	68.2		
Envelope Loads					Envelope Loads			Envelope Loads				Ret/OA	83.0	13.0		
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00	Fn MtrTD	0.0	0.0	
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00	Fn BldTD	0.0	0.0	
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Roof Cond	0	0	0.00	Fn Frict	0.0	0.0	
Glass Solar	0	0	0.00	0	0.00	0	0	0.00	Glass Solar	0	0	0.00				
Glass Cond	0	0	0.00	0	0.00	0	0	0.00	Glass Cond	0	0	0.00				
Wall Cond	0	0	0.00	0	0.00	0	0	0.00	Wall Cond	0	0	0.00				
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00				
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00				
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00				
Sub Total ==>	0	0	0.00	0	0.00	0	0	0.00	Sub Total ==>	0	0	0.00				
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS				
Lights	349	87	437	20.27	349	37.49	0	0	0.00	Lights	0	0	0.00	Vent	20	15
People	450	0	450	20.88	250	26.82	0	0	0.00	People	0	0	0.00	Infil	0	0
Misc	230	0	230	10.69	230	24.72	0	0	0.00	Misc	0	0	0.00	Supply	49	15
Sub Total ==>	1,030	87	1,117	51.84	830	89.03	0	0	0.00	Sub Total ==>	0	0	0.00	MinStop/Rh	15	15
Ceiling Load					Ceiling Load			Ceiling Load				Return	49	15		
Ventilation Load	102	-102	0	0.00	90	9.61	0	0	0.00	Ventilation Load	-76	0	0.00	Exhaust	20	15
Ov/Undr Sizing	0	0	1,091	50.62	0	0.00	0	0	0.00	Ov/Undr Sizing	0	-920	72.63	Rm Exh	0	0
Exhaust Heat	0	0	0	0.00	13	1.36	0	0	0.00	Exhaust Heat	0	0	0.00	Auxil	0	0
Sup. Fan Heat	0	-53	-53	-2.46	0	0.00	0	0	0.00	OA Preheat Diff.	29	-2.28	21.33	ENGINEERING CKS		
Ret. Fan Heat	0	0	0	0.00	0	0.00	0	0	0.00	RA Preheat Diff.	-270	0	0.00	% OA	41.2	100.0
Duct Heat Pkup	0	0	0	0.00	0	0.00	0	0	0.00	Additional Reheat	0	0	0.00	cfm/ft²	0.36	0.11
Reheat at Design	0	0	0	0.00	0	0.00	0	0	0.00	System Plenum Heat	-105	8.31	8.31	cfm/ton	270.05	
Grand Total ==>	1,132	-68	2,155	100.00	932	100.00	Grand Total ==>	-76	-1,266	100.00	ft²/ton	751.76		Btu/hr-ft²	15.96	-9.38
COOLING COIL SELECTION					AREAS			HEATING COIL SELECTION								
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg						
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F						
Main Clg	0.2	2.2	1.2	49	83.0	69.5	87.3	57.7	55.9	64.3	Main Htg	-0.3	15	57.7	74.7	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-1.0	20	13.0	57.7	
Total	0.2	2.2									Humidif	0.0	0	0.0	0.0	
											Opt Vent	0.0	0	0.0	0.0	
											Total	-1.3				

Room Checksums

By ae

232-CONFERENCE ROOM 2

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	71.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0		
Envelope Loads					Envelope Loads			Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Ret/OA	91.0	13.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn MtrTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn BldTD	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Fn Frict	0.0	0.0		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00								
Internal Loads					Internal Loads			Internal Loads								
Lights	4,161	1,040	5,201	10.53	4,161	31.60	Lights	0	0.00				Vent	600	180	
People	12,000		12,000	24.30	7,350	55.81	People	0	0.00				Infil	0	0	
Misc	1,075	0	1,075	2.18	1,075	8.16	Misc	0	0.00				Supply	600	180	
Sub Total ==>	17,236	1,040	18,276	37.01	12,586	95.57	Sub Total ==>	0	0.00				MinStop/Rh	180	180	
Ceiling Load					Ceiling Load			Ceiling Load								
Ventilation Load	249	-249	0	0.00	190	1.44	Ventilation Load	-204	0	0.00				Return	600	180
Ov/Undr Sizing	0	0	31,919	64.63	0	0.00	Ov/Undr Sizing	0	-11,379	36.42				Exhaust	600	180
Exhaust Heat		-810	-810	-1.64	394	2.99	Exhaust Heat		0	0.00				Rm Exh	0	0
Sup. Fan Heat			0	0.00			OA Preheat Diff.		204	-0.65				Auxil	0	0
Ret. Fan Heat			0	0.00			RA Preheat Diff.		-19,661	62.93						
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00						
Reheat at Design			0	0.00			System Plenum Heat		-409	1.31						
Grand Total ==>	17,485	-19	49,386	100.00	13,170	100.00	Grand Total ==>	-204	-31,244	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR			Gross Total	Glass	Capacity Coil Airflow		Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	4.1	49.4	23.2	585	91.0	76.9	118.3	55.2	52.6	55.4	Floor	-3.2	180	55.2	71.0		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	-28.1	600	13.0	55.2		
Total	4.1	49.4									Roof	0.0	0	0.0	0.0		
											Wall	0.0	0	0.0	0.0		
											Total	-31.2					

Room Checksums

By ae

233-RECORDS & REGISTRATION RECEPTION

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1			Cooling Heating			
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13			SADB	55.2	72.6	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	76.3	69.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	83.3	13.0		
Envelope Loads					Envelope Loads			Envelope Loads			Fn MtrTD	0.0	0.0
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00					
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00					
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00					
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00					
Partition	0	0	0.00	0	0.00	Partition	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00					
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00					
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00					
Internal Loads					Internal Loads			Internal Loads			AIRFLOWS		
Lights	3,496	874	4,370	24.30	3,496	47.59	Lights	0	0	0.00	Vent	160	100
People	3,600		3,600	20.02	2,000	27.23	People	0	0	0.00	Infil	0	0
Misc	1,502	0	1,502	8.35	1,502	20.44	Misc	0	0	0.00	Supply	335	100
Sub Total ==>	8,598	874	9,472	52.67	6,998	95.26	Sub Total ==>	0	0	0.00	MinStop/Rh	100	100
Ceiling Load					Ceiling Load			Ceiling Load			Return	335	100
Ventilation Load	0	0	8,734	48.56	0	0.00	Ventilation Load	0	-6,347	67.36	Exhaust	160	100
Ov/Undr Sizing	0		0	0.00	83	1.13	Ov/Undr Sizing	0	0	0.00	Rm Exh	0	0
Exhaust Heat		-222	-222	-1.23			Exhaust Heat		114	-1.21	Auxil	0	0
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-2,790	29.61	ENGINEERING CKS		
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00	% OA	47.8	100.0
Duct Heat Pkup		0	0	0.00			Additional Reheat		0	0.00	cfm/ft²	0.38	0.11
Reheat at Design			0	0.00			System Plenum Heat		-399	4.24	cfm/ton	223.32	
Grand Total ==>	8,946	304	17,984	100.00	7,346	100.00	Grand Total ==>	-285	-9,422	100.00	ft²/ton	587.20	
											Btu/hr-ft²	20.44	-10.71
											No. People	8	

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.		Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F	
Main Clg	1.5	18.0	10.5	335	83.3	70.2	90.7	55.2	53.5	58.9	Floor	880	Main Htg	-1.9	100	55.2	72.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	-7.5	160	13.0	55.2
Total	1.5	18.0									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
													Total	-9.4			

Room Checksums

By ae

234-OFFICE SPPORT WORK AREA

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	71.5		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0		
Envelope Loads					Envelope Loads			Envelope Loads				Ret/OA	91.0	13.0		
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00								
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00								
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS				
Lights	699	175	874	6.91	699	19.91	Lights	0	0.00				Vent	160	48	
People	3,600		3,600	28.46	2,000	56.95	People	0	0.00				Infil	0	0	
Misc	410	0	410	3.24	410	11.66	Misc	0	0.00				Supply	160	48	
Sub Total ==>	4,709	175	4,884	38.61	3,109	88.52	Sub Total ==>	0	0.00				MinStop/Rh	48	48	
Ceiling Load					Ceiling Load			Ceiling Load				Return	160	48		
Ventilation Load	95	-95	0	0.00	72	2.06	Ventilation Load	-78	0.00				Exhaust	160	48	
Ov/Undr Sizing	0	0	7,967	62.99	0	0.00	Ov/Undr Sizing	0	-3,034	36.32				Rm Exh	0	0
Exhaust Heat		-202	-202	-1.60	331	9.42	Exhaust Heat		54	-0.65				Auxil	0	0
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-5,243	62.75				ENGINEERING CKS		
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00				% OA	100.0	100.0
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00				cfm/ft²	0.67	0.20
Reheat at Design			0	0.00			System Plenum Heat		-132	1.58				cfm/ton	151.80	
Grand Total ==>	4,804	-122	12,649	100.00	3,512	100.00	Grand Total ==>	-78	-8,355	100.00				ft²/ton	227.69	
												Btu/hr-ft²	52.70	-34.81		
												No. People	8			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR		Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	cfm	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F				
Main Clg	1.1	12.7	5.7	146	91.0	76.9	118.3	55.2	51.8	52.3	Main Htg	-0.9	48	55.2	71.5		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-7.5	160	13.0	55.2		
Total	1.1	12.7									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-8.4					

Room Checksums

By ae

235-RECORD ROOM & STORAGE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1						
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13						
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total							
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Cooling	Heating		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Vent	0	0	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Infil	0	0	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Supply	67	20	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00				MinStop/Rh	20	20	
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00				Return	67	20	
Partition	0	0	0.00	0	0.00	Partition	0	0.00				Exhaust	0	0	
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00				Rm Exh	0	0	
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01				Auxil	0	0	
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01				ENGINEERING CKS			
Internal Loads					Internal Loads			Internal Loads				% OA			
Lights	1,311	328	1,638	100.00	1,311	89.22	Lights	0	0.00				cfm/ft²	0.17	0.05
People	0	0	0.00	0	0.00	People	0	0.00				cfm/ton	490.19		
Misc	0	0	0.00	0	0.00	Misc	0	0.00				ft²/ton	2,929.91		
Sub Total ==>	1,311	328	1,638	100.00	1,311	89.22	Sub Total ==>	0	0.00				Btu/hr-ft²	4.10	-1.15
Ceiling Load					Ceiling Load			Ceiling Load				No. People			
Ventilation Load	158	-158	0	0.00	121	8.21	Ventilation Load	-130	0.00						
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00							
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00							
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00							
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00							
Duct Heat PkUp	0	0	0.00	0	0.00	Additional Reheat	-307	66.77							
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	-152	33.21							
Grand Total ==>	1,469	169	1,638	100.00	1,469	100.00	Grand Total ==>	-130	-459	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.1	1.6	67	76.3	63.0	65.5	55.2	54.8	63.8	Floor	400	Main Htg	-0.5	20	55.2	75.8	
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	0.0	0	0.0	0.0	
Total	0.1	1.6								Roof	0	Humidif	0.0	0	0.0	0.0	
										Wall	0	Opt Vent	0.0	0	0.0	0.0	
												Total	-0.5				

Room Checksums

By ae

236-REC SPECIALIST 2

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES								
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1			Cooling			Heating						
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13			SADB	55.2	72.6	Plenum	76.3	69.0				
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <td>76.3</td> <td>69.0</td> <th>Ret/OA</th> <td>87.7</td> <td>13.0</td>	76.3	69.0	Ret/OA	87.7	13.0					
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0	Fn BldTD	0.0	0.0					
Envelope Loads					Envelope Loads					AIRFLOWS									
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Vent	40	15	Infil	0	0					
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Supply	52	15	MinStop/Rh	15	15					
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Return	52	15	Exhaust	40	15					
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Rm Exh	0	0	Auxil	0	0					
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	ENGINEERING CKS										
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	% OA	77.5	100.0	cfm/ft²	0.38	0.11					
Partition	0	0	0.00	0	0.00	Partition	0	0.00	cfm/ton	167.67		ft²/ton	438.41						
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Btu/hr-ft²	27.37	-16.08	No. People	2						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00											
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00											
Internal Loads					Internal Loads														
Lights	349	87	437	11.82	349	30.83	Lights	0	0.00										
People	900		900	24.36	500	44.12	People	0	0.00										
Misc	230	0	230	6.23	230	20.33	Misc	0	0.00										
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00										
Ceiling Load					Ceiling Load														
Ventilation Load	53	-53	0	0.00	41	3.59	Ventilation Load	-44	0.00										
Ov/Undr Sizing	0	0	2,183	59.09	0	0.00	Ov/Undr Sizing	0	-979	45.11									
Exhaust Heat		-55	-55	-1.50	13	1.12	Exhaust Heat	0	0	0.00									
Sup. Fan Heat			0	0.00			OA Preheat Diff.		18	-0.81									
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		-1,147	52.87									
Duct Heat Pkup		0	0	0.00			Additional Reheat		0	0.00									
Reheat at Design			0	0.00			System Plenum Heat		-61	2.83									
Grand Total ==>	1,533	-21	3,695	100.00	1,133	100.00	Grand Total ==>	-44	-2,170	100.00									
COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg									
ton	MBh	MBh	cfm	°F °F gr/lb	ft²	(%)	MBh	cfm	°F	°F									
Main Clg	0.3	3.7	1.8	52 87.7 74.2 106.4	55.2 52.9 56.3	Floor	135	0	15	55.2	72.6	Aux Htg	0.0	0	0.0	0.0			
Aux Clg	0.0	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	Part	0	0	0	0.0	0.0	Preheat	-1.9	40	13.0	55.2			
Opt Vent	0.0	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	ExFlr	0	0	0	0.0	0.0	Humidif	0.0	0	0.0	0.0			
Total	0.3	3.7				Roof	0	0	0	0.0	0.0	Opt Vent	0.0	0	0.0	0.0			
						Wall	0	0	0	-2.2		Total	-2.2						

Room Checksums

By ae

238-ASSISTANT DIRECTOR 3

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1			Cooling			Heating		
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13			SADB	55.2	72.6	Plenum	76.3	69.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	76.3	69.0	Ret/OA	87.7	13.0	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0	Fn BldTD	0.0	0.0	
Envelope Loads					Envelope Loads			Envelope Loads			AIRFLOWS				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Skylite Cond	0	0.00	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Roof Cond	0	0.00	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Roof Cond	0	0.00	Glass Solar	0	0.00	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Glass Solar	0	0.00	Glass Cond	0	0.00	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	Glass Cond	0	0.00	Wall Cond	0	0.00	
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	Wall Cond	0	0.00	Partition	0	0.00	
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00	Exposed Floor	0	0.00	
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00	Infiltration	0	0.00	
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	Infiltration	0	0.00	Sub Total ==>	0	0.00	
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	ENGINEERING CKS			
Internal Loads					Internal Loads			Internal Loads			Vent	40	15		
Lights	349	87	437	11.82	349	30.83	Lights	0	0.00	Lights	0	0.00	Infil	0	0
People	900		900	24.36	500	44.12	People	0	0.00	People	0	0.00	Supply	52	15
Misc	230	0	230	6.23	230	20.33	Misc	0	0.00	Misc	0	0.00	MinStop/Rh	15	15
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Return	52	15
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Exhaust	40	15
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Rm Exh	0	0
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Auxil	0	0
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Auxil	0	0
Ceiling Load					Ceiling Load			Ceiling Load			% OA	77.5	100.0		
Lights	349	87	437	11.82	349	30.83	Lights	0	0.00	Lights	0	0.00	cfm/ft²	0.38	0.11
People	900		900	24.36	500	44.12	People	0	0.00	People	0	0.00	cfm/ton	167.67	
Misc	230	0	230	6.23	230	20.33	Misc	0	0.00	Misc	0	0.00	ft²/ton	438.41	
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Btu/hr-ft²	27.37	-16.08
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	No. People	2	
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	No. People	2	
Ventilation Load					Ventilation Load			Ventilation Load			% OA	77.5	100.0		
Lights	349	87	437	11.82	349	30.83	Lights	0	0.00	Lights	0	0.00	cfm/ft²	0.38	0.11
People	900		900	24.36	500	44.12	People	0	0.00	People	0	0.00	cfm/ton	167.67	
Misc	230	0	230	6.23	230	20.33	Misc	0	0.00	Misc	0	0.00	ft²/ton	438.41	
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Btu/hr-ft²	27.37	-16.08
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	No. People	2	
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	No. People	2	
Ov/Undr Sizing					Ov/Undr Sizing			Ov/Undr Sizing			% OA	77.5	100.0		
Lights	349	87	437	11.82	349	30.83	Lights	0	0.00	Lights	0	0.00	cfm/ft²	0.38	0.11
People	900		900	24.36	500	44.12	People	0	0.00	People	0	0.00	cfm/ton	167.67	
Misc	230	0	230	6.23	230	20.33	Misc	0	0.00	Misc	0	0.00	ft²/ton	438.41	
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Btu/hr-ft²	27.37	-16.08
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	No. People	2	
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	No. People	2	
Exhaust Heat					Exhaust Heat			Exhaust Heat			% OA	77.5	100.0		
Lights	349	87	437	11.82	349	30.83	Lights	0	0.00	Lights	0	0.00	cfm/ft²	0.38	0.11
People	900		900	24.36	500	44.12	People	0	0.00	People	0	0.00	cfm/ton	167.67	
Misc	230	0	230	6.23	230	20.33	Misc	0	0.00	Misc	0	0.00	ft²/ton	438.41	
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Btu/hr-ft²	27.37	-16.08
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	No. People	2	
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	No. People	2	
Sup. Fan Heat					Sup. Fan Heat			Sup. Fan Heat			% OA	77.5	100.0		
Lights	349	87	437	11.82	349	30.83	Lights	0	0.00	Lights	0	0.00	cfm/ft²	0.38	0.11
People	900		900	24.36	500	44.12	People	0	0.00	People	0	0.00	cfm/ton	167.67	
Misc	230	0	230	6.23	230	20.33	Misc	0	0.00	Misc	0	0.00	ft²/ton	438.41	
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Btu/hr-ft²	27.37	-16.08
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	No. People	2	
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	No. People	2	
Ret. Fan Heat					Ret. Fan Heat			Ret. Fan Heat			% OA	77.5	100.0		
Lights	349	87	437	11.82	349	30.83	Lights	0	0.00	Lights	0	0.00	cfm/ft²	0.38	0.11
People	900		900	24.36	500	44.12	People	0	0.00	People	0	0.00	cfm/ton	167.67	
Misc	230	0	230	6.23	230	20.33	Misc	0	0.00	Misc	0	0.00	ft²/ton	438.41	
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Btu/hr-ft²	27.37	-16.08
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	No. People	2	
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	No. People	2	
Duct Heat Pkpw					Duct Heat Pkpw			Duct Heat Pkpw			% OA	77.5	100.0		
Lights	349	87	437	11.82	349	30.83	Lights	0	0.00	Lights	0	0.00	cfm/ft²	0.38	0.11
People	900		900	24.36	500	44.12	People	0	0.00	People	0	0.00	cfm/ton	167.67	
Misc	230	0	230	6.23	230	20.33	Misc	0	0.00	Misc	0	0.00	ft²/ton	438.41	
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Btu/hr-ft²	27.37	-16.08
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	No. People	2	
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	No. People	2	
Reheat at Design					Reheat at Design			Reheat at Design			% OA	77.5	100.0		
Lights	349	87	437	11.82	349	30.83	Lights	0	0.00	Lights	0	0.00	cfm/ft²	0.38	0.11
People	900		900	24.36	500	44.12	People	0	0.00	People	0	0.00	cfm/ton	167.67	
Misc	230	0	230	6.23	230	20.33	Misc	0	0.00	Misc	0	0.00	ft²/ton	438.41	
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Btu/hr-ft²	27.37	-16.08
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	No. People	2	
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	No. People	2	
Grand Total ==>					Grand Total ==>			Grand Total ==>			% OA	77.5	100.0		
Lights	349	87	437	11.82	349	30.83	Lights	0	0.00	Lights	0	0.00	cfm/ft²	0.38	0.11
People	900		900	24.36	500	44.12	People	0	0.00	People	0	0.00	cfm/ton	167.67	
Misc	230	0	230	6.23	230	20.33	Misc	0	0.00	Misc	0	0.00	ft²/ton	438.41	
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Btu/hr-ft²	27.37	-16.08
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	No. People	2	
Sub Total ==>	1,480	87	1,567	42.41	1,080	95.28	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	No. People	2	

Room Checksums

By ae

240-ASSISTANT DIRECTOR 1

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	73.3		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0		
Envelope Loads					Envelope Loads			Envelope Loads				Ret/OA				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00								
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01								
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS				
Lights	349	87	437	20.03	349	39.56	Lights	0	0.00				Cooling Heating			
People	450		450	20.63	250	28.30	People	0	0.00				Vent	20	12	
Misc	230	0	230	10.56	230	26.08	Misc	0	0.00				Infil	0	0	
Sub Total ==>	1,030	87	1,117	51.22	830	93.95	Sub Total ==>	0	0.00				Supply	40	12	
Ceiling Load					Ceiling Load			Ceiling Load				MinStop/Rh				
Ventilation Load	53	-53	0	0.00	41	4.61	Ventilation Load	-44	0.00				Return	12	12	
Ov/Undr Sizing	0	0	1,092	50.05	0	0.00	Ov/Undr Sizing	0	-763	64.78				Exhaust	40	12
Exhaust Heat			0	0.00	13	1.44	Exhaust Heat	0	0	0.00				Rm Exh	0	0
Sup. Fan Heat			0	0.00			OA Preheat Diff.		14	-1.16				Auxil	0	0
Ret. Fan Heat			0	0.00			RA Preheat Diff.		-371	31.50						
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00						
Reheat at Design			0	0.00			System Plenum Heat		-57	4.88						
Grand Total ==>	1,083	6	2,181	100.00	883	100.00	Grand Total ==>	-44	-1,178	100.00				ENGINEERING CKS		
COOLING COIL SELECTION					AREAS					HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass				Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)				MBh	cfm	°F	°F			
Main Clg	0.2	2.2	1.2	40	83.6	70.5	91.7	55.2	53.7	59.7	Main Htg	-0.2	12	55.2	73.3	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-0.9	20	13.0	55.2	
Total	0.2	2.2									Humidif	0.0	0	0.0	0.0	
											Opt Vent	0.0	0	0.0	0.0	
											Total	-1.2				

Room Checksums

By ae

241-DIRECTOR OFFICE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling			Heating
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91			OADB: 13				SADB	55.2	72.4	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	76.3	69.0				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	85.9	13.0				
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn MtrTD	0.0	0.0	Cooling		Heating	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn BldTD	0.0	0.0	Vent	40	18	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Infil	0	0	Supply	61	18	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	MinStop/Rh	18	18	Return	61	18	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	Exhaust	40	18	Rm Exh	0	0	
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	Auxil	0	0	ENGINEERING CKS			
Partition	0	0	0.00	0	0.00	Partition	0	0.00	% OA	65.5	100.0	Cooling		Heating	
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	cfm/ft²	0.41	0.12	cfm/ton	185.91		
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	ft²/ton	456.94		Btu/hr-ft²	26.26	-14.81	
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00	No. People	2					
Internal Loads					Internal Loads			Internal Loads							
Lights	524	131	655	16.64	524	39.13	Lights	0	0.00						
People	900		900	22.85	500	37.32	People	0	0.00						
Misc	256	0	256	6.50	256	19.11	Misc	0	0.00						
Sub Total ==>	1,680	131	1,811	45.98	1,280	95.57	Sub Total ==>	0	0.00						
Ceiling Load					Ceiling Load			Ceiling Load							
Ventilation Load	59	-59	0	0.00	45	3.38	Ventilation Load	-49	0.00						
Ov/Undr Sizing	0	0	2,183	55.43	0	0.00	Ov/Undr Sizing	0	-1,157	52.10					
Exhaust Heat			0	0.00	14	1.05	Exhaust Heat	0	0	0.00					
Sup. Fan Heat			0	0.00			OA Preheat Diff.		21	-0.94					
Ret. Fan Heat			0	0.00			RA Preheat Diff.		-1,015	45.71					
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00					
Reheat at Design			0	0.00			System Plenum Heat		-69	3.12					
Grand Total ==>	1,740	16	3,939	100.00	1,340	100.00	Grand Total ==>	-49	-2,222	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.3	3.9	2.1	61	85.9	72.6	100.1	55.2	53.1	57.1	Floor	150	Main Htg	-0.4	18	55.2	72.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	-1.9	40	13.0	55.2
											Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
Total	0.3	3.9											Total	-2.2			

Room Checksums

By ae

243-TRANSFER CENTER LAB

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 14		Mo/Hr: 13 / 1					Cooling Heating					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	71.6			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0			
Envelope Loads					Envelope Loads			Envelope Loads				Ret/OA	91.0	13.0			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict	0.0	0.0			
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00									
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00									
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00									
Partition	0	0	0.00	0	0.00	Partition	0	0.00									
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00									
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00									
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00									
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS					
Lights	4,367	1,092	5,459	6.85	4,367	19.90	Lights	0	0	0.00				Vent	1,000	300	
People	22,500		22,500	28.25	12,500	56.95	People	0	0	0.00				Infil	0	0	
Misc	2,713	0	2,713	3.41	2,713	12.36	Misc	0	0	0.00				Supply	1,000	300	
Sub Total ==>	29,581	1,092	30,673	38.51	19,581	89.21	Sub Total ==>	0	0	0.00				MinStop/Rh	300	300	
Ceiling Load					Ceiling Load			Ceiling Load				Return	1,000	300			
Ventilation Load	0	0	50,258	63.09	0	0.00	Ventilation Load	0	-18,965	36.30				Exhaust	1,000	300	
Ov/Undr Sizing	0		0	0.00	1,889	8.61	Ov/Undr Sizing	0	0	0.00				Rm Exh	0	0	
Exhaust Heat		-1,275	-1,275	-1.60			Exhaust Heat		340	-0.65				Auxil	0	0	
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-32,768	62.72				ENGINEERING CKS			
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00				% OA	100.0	100.0	
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00				cfm/ft²	0.63	0.19	
Reheat at Design			0	0.00			System Plenum Heat		-856	1.64				cfm/ton	150.65		
Grand Total ==>	30,210	-813	79,655	100.00	21,950	100.00	Grand Total ==>	-516	-52,248	100.00				ft²/ton	239.53		
															Btu/hr-ft²	50.10	-32.86
															No. People	50	

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.		Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F	
Main Clg	6.6	79.7	35.7	921	91.0	76.9	118.3	55.2	51.9	52.5	Floor	1,590	Main Htg	-5.4	300	55.2	71.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	-46.8	1,000	13.0	55.2
Total	6.6	79.7									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
													Total	-52.3			

Room Checksums

By ae

243A-VISITING TRANSFER REP

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13					
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads					Envelope Loads			Envelope Loads				SADB		
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	55.2	73.2				
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	76.3	69.0				
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	76.3	69.0				
Glass Solar	0	0	0.00	0	0.00	0	0	0.00	83.7	13.0				
Glass Cond	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0				
Wall Cond	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0				
Partition	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0				
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0				
Infiltration	0	0	0.00	0	0.00	0	0	0.01	0.0	0.0				
<i>Sub Total ==></i>	0	0	0.00	0	0.00	0	0	0.01	0.0	0.0				
Internal Loads					Internal Loads			Internal Loads				Fn MtrTD		
Lights	350	87	437	20.11	350	40.05	0	0	0.00	0.0	0.0			
People	450		450	20.71	250	28.64	0	0	0.00	0.0	0.0			
Misc	222	0	222	10.21	222	25.41	0	0	0.00	0.0	0.0			
<i>Sub Total ==></i>	1,021	87	1,109	51.03	821	94.10	0	0	0.00	0.0	0.0			
Ceiling Load					Ceiling Load			Ceiling Load				Fn BldTD		
Ventilation Load	0	0	1,092	50.24	0	0.00	-42	0	0.00	0.0	0.0			
Ov/Undr Sizing	0		0	0.00	12	1.40	0	-754	64.24	0.0	0.0			
Exhaust Heat		-28	-28	-1.27			0	14	-1.15	0.0	0.0			
Sup. Fan Heat			0	0.00			0	-378	32.17	0.0	0.0			
Ret. Fan Heat		0	0	0.00			0	0	0.00	0.0	0.0			
Duct Heat Pkup		0	0	0.00			0	0	0.00	0.0	0.0			
Reheat at Design			0	0.00			0	-56	4.74	0.0	0.0			
<i>Grand Total ==></i>	1,073	8	2,173	100.00	873	100.00	<i>Grand Total ==></i>	-42	-1,174	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.2	1.2	40	83.7	70.5	92.0	55.2	53.7	59.5	Floor	130	-0.2	12	55.2	73.2	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	-0.9	20	13.0	55.2	
											Roof	0	0.0	0	0.0	0.0	
											Wall	0	0.0	0	0.0	0.0	
<i>Total</i>	0.2	2.2									<i>Total</i>	-1.2					

AIRFLOWS			ENGINEERING CKS		
	Cooling	Heating	% OA	Cooling	Heating
Vent	20	12	% OA	50.3	100.0
Infil	0	0	cfm/ft²	0.31	0.09
Supply	40	12	cfm/ton	219.64	
MinStop/Rh	12	12	ft²/ton	717.93	
Return	40	12	Btu/hr-ft²	16.71	-9.03
Exhaust	20	12	No. People	1	
Rm Exh	0	0			
Auxil	0	0			

Room Checksums

By ae

243B-TRANSFER ASSISTANT

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	73.2		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0		
Envelope Loads					Envelope Loads			Envelope Loads				Ret/OA			83.7	13.0
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00								
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01								
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS				
Lights	350	87	437	20.11	350	40.05	Lights	0	0.00				Cooling Heating			
People	450		450	20.71	250	28.64	People	0	0.00				Vent	20	12	
Misc	222	0	222	10.21	222	25.41	Misc	0	0.00				Infil	0	0	
Sub Total ==>	1,021	87	1,109	51.03	821	94.10	Sub Total ==>	0	0.00				Supply	40	12	
Ceiling Load					Ceiling Load			Ceiling Load				MinStop/Rh			12	12
Ventilation Load	0	-51	0	0.00	39	4.49	Ventilation Load	-42	0.00				Return	40	12	
Ov/Undr Sizing	0	0	1,092	50.24	0	0.00	Ov/Undr Sizing	0	-754	64.24				Exhaust	20	12
Exhaust Heat		-28	-28	-1.27	12	1.40	Exhaust Heat		14	-1.15				Rm Exh	0	0
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-378	32.17				Auxil	0	0
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00						
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00						
Reheat at Design			0	0.00			System Plenum Heat		-56	4.74						
Grand Total ==>	1,073	8	2,173	100.00	873	100.00	Grand Total ==>	-42	-1,174	100.00				ENGINEERING CKS		
COOLING COIL SELECTION					AREAS					HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass				Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)				MBh	cfm	°F	°F			
Main Clg	0.2	2.2	1.2	40	83.7	70.5	92.0	55.2	53.7	59.5	Main Htg	-0.2	12	55.2	73.2	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-0.9	20	13.0	55.2	
Total	0.2	2.2									Humidif	0.0	0	0.0	0.0	
											Opt Vent	0.0	0	0.0	0.0	
											Total	-1.2				

Room Checksums

By ae

244-OFFICE SUPPORT WORK AREA

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	71.9		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0		
Envelope Loads					Envelope Loads			Envelope Loads				Ret/OA			82.0	13.0
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00								
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00								
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS				
Lights	2,009	502	2,512	33.20	2,009	59.27	Lights	0	0.00				Cooling Heating			
People	1,350		1,350	17.84	750	22.12	People	0	0.00				Vent	60	46	
Misc	512	0	512	6.77	512	15.10	Misc	0	0.00				Infil	0	0	
Sub Total ==>	3,871	502	4,374	57.81	3,271	96.50	Sub Total ==>	0	0.00				Supply	154	46	
Ceiling Load					Ceiling Load			Ceiling Load				ENGINEERING CKS				
Ventilation Load	0	0	3,275	43.29	0	0.00	Ventilation Load	0	0.00				Cooling Heating			
Ov/Undr Sizing	0		0	0.00	28	0.83	Ov/Undr Sizing	0	0.00				% OA	38.8	100.0	
Exhaust Heat		-83	-83	-1.10			Exhaust Heat		53	-1.43				cfm/ft²	0.51	0.15
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-640	17.45				cfm/ton	244.97	
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00				ft²/ton	475.84	
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00				Btu/hr-ft²	25.22	-12.22
Reheat at Design			0	0.00			System Plenum Heat		-150	4.09				No. People	3	
Grand Total ==>	3,990	301	7,566	100.00	3,390	100.00	Grand Total ==>	-97	-3,666	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION							
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg						
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F					
Main Clg	0.6	7.6	4.8	154	82.0	68.9	86.0	55.2	53.5	58.7	Floor	300				Main Htg	-0.9	46	55.2	71.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0				Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0				Preheat	-2.8	60	13.0	55.2
Total	0.6	7.6									Roof	0	0	0		Humidif	0.0	0	0.0	0.0
											Wall	0	0	0		Opt Vent	0.0	0	0.0	0.0
															Total	-3.7				

Room Checksums

By ae

245-WAITING & STUDENT WORK AREA

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 14		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	71.0		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0		
Envelope Loads					Envelope Loads			Envelope Loads				Ret/OA				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00								
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00								
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS				
Lights	2,096	524	2,620	4.54	2,096	11.37	Lights	0	0.00				Vent	840	252	
People	18,900		18,900	32.72	10,500	56.95	People	0	0.00				Infil	0	0	
Misc	1,433	0	1,433	2.48	1,433	7.77	Misc	0	0.00				Supply	840	252	
Sub Total ==>	22,430	524	22,954	39.74	14,030	76.09	Sub Total ==>	0	0.00				MinStop/Rh	252	252	
Ceiling Load					Ceiling Load			Ceiling Load				Return				
Ventilation Load	0	0	35,716	61.83	0	0.00	Ventilation Load	0	-15,930	36.43				Exhaust	840	252
Ov/Undr Sizing	0		0	0.00	4,155	22.53	Ov/Undr Sizing	0	0	0.00				Rm Exh	0	0
Exhaust Heat		-906	-906	-1.57			Exhaust Heat		286	-0.65				Auxil	0	0
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-27,525	62.95				ENGINEERING CKS		
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00				% OA	100.0	100.0
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00				cfm/ft²	1.00	0.30
Reheat at Design			0	0.00			System Plenum Heat		-558	1.28				cfm/ton	174.51	
Grand Total ==>	22,762	-715	57,763	100.00	18,438	100.00	Grand Total ==>	-272	-43,728	100.00				ft²/ton	174.51	
												Btu/hr-ft²				
												No. People				
												42				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.		Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F	
Main Clg	4.8	57.8	25.3	654	91.0	76.9	118.3	55.2	51.2	49.9	Floor	840	Main Htg	-4.4	252	55.2	71.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	-39.3	840	13.0	55.2
Total	4.8	57.8									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
													Total	-43.7			

Room Checksums

By ae

246-INFORMATION SPECIALIST

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	72.4			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0			
Envelope Loads					Envelope Loads			Envelope Loads				Ret/OA					
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict	0.0	0.0			
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00									
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00									
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00									
Partition	0	0	0.00	0	0.00	Partition	0	0.00									
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00									
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00									
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00									
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS					
Lights	1,572	393	1,965	13.14	1,572	33.77	Lights	0	0.00				Vent	160	64		
People	3,600		3,600	24.07	2,000	42.97	People	0	0.00				Infil	0	0		
Misc	879	0	879	5.88	879	18.88	Misc	0	0.00				Supply	212	64		
Sub Total ==>	6,051	393	6,444	43.09	4,451	95.62	Sub Total ==>	0	0.00				MinStop/Rh	64	64		
Ceiling Load					Ceiling Load			Ceiling Load				Return					
Ventilation Load	0	0	8,734	58.40	0	0.00	Ventilation Load	0	46.22				Exhaust	160	64		
Ov/Undr Sizing	0	0	0	0.00	48	1.04	Ov/Undr Sizing	0	0.00				Rm Exh	0	0		
Exhaust Heat		-222	-222	-1.48			Exhaust Heat		-0.83				Auxil	0	0		
Sup. Fan Heat			0	0.00			OA Preheat Diff.	-4,512	51.86								
Ret. Fan Heat			0	0.00			RA Preheat Diff.	0	0.00								
Duct Heat Pkup			0	0.00			Additional Reheat	0	0.00								
Reheat at Design			0	0.00			System Plenum Heat	-239	2.75								
Grand Total ==>	6,255	-32	14,956	100.00	4,655	100.00	Grand Total ==>	-167	-8,701	100.00				ENGINEERING CKS			
COOLING COIL SELECTION					AREAS			HEATING COIL SELECTION									
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg							
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F							
Main Clg	1.3	15.0	7.5	212	87.4	73.9	105.3	55.2	52.9	56.3	Main Htg	-1.2	64	55.2	72.4		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-7.5	160	13.0	55.2		
Total	1.3	15.0									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-8.7					

Room Checksums

By ae

247-OFFICE SUPERVISOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling Heating		
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91			OADB: 13				SADB	55.2	73.3
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	76.3	69.0			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	83.6	13.0			
Envelope Loads					Envelope Loads			Envelope Loads				Fn MtrTD	0.0	0.0
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.0	0.0			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00						
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00						
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00						
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00						
Partition	0	0	0.00	0	0.00	Partition	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01						
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01						
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS		
Lights	349	87	437	20.03	349	39.56	Lights	0	0	0.00	Vent	20	12	
People	450		450	20.63	250	28.30	People	0	0	0.00	Infil	0	0	
Misc	230	0	230	10.56	230	26.08	Misc	0	0	0.00	Supply	40	12	
Sub Total ==>	1,030	87	1,117	51.22	830	93.95	Sub Total ==>	0	0	0.00	MinStop/Rh	12	12	
Ceiling Load					Ceiling Load			Ceiling Load				Return	40	12
Ventilation Load	0	-53	0	0.00	41	4.61	Ventilation Load	-44	0	0.00	Exhaust	20	12	
Ov/Undr Sizing	0	0	1,092	50.05	0	0.00	Ov/Undr Sizing	0	-763	64.78	Rm Exh	0	0	
Exhaust Heat			0	0.00	13	1.44	Exhaust Heat	0	0	0.00	Auxil	0	0	
Sup. Fan Heat			0	0.00			OA Preheat Diff.		14	-1.16	ENGINEERING CKS			
Ret. Fan Heat			0	0.00			RA Preheat Diff.		-371	31.50	% OA	49.7	100.0	
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00	cfm/ft²	0.30	0.09	
Reheat at Design			0	0.00			System Plenum Heat		0	0.00	cfm/ton	221.39		
Grand Total ==>	1,083	6	2,181	100.00	883	100.00	Grand Total ==>	-44	-1,178	4.88	ft²/ton	742.71		
												Btu/hr-ft²	16.16	-8.73
												No. People	1	

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.2	1.2	40	83.6	70.5	91.7	55.2	53.7	59.7	Floor	135					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0					
Total	0.2	2.2									Roof	0	0	0			
										Wall	0	0	0				
													Main Htg	-0.2	12	55.2	73.3
													Aux Htg	0.0	0	0.0	0.0
													Preheat	-0.9	20	13.0	55.2
													Humidif	0.0	0	0.0	0.0
													Opt Vent	0.0	0	0.0	0.0
													Total	-1.2			

Room Checksums

By ae

248-DIRECTOR OFFICE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	73.5		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0		
Envelope Loads					Envelope Loads			Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Ret/OA	83.3	13.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn MtrTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn BldTD	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Fn Frict	0.0	0.0		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01								
Internal Loads					Internal Loads			Internal Loads								
Lights	349	87	437	19.79	349	38.19	Lights	0	0.00							
People	450		450	20.39	250	27.33	People	0	0.00							
Misc	256	0	256	11.60	256	27.98	Misc	0	0.00							
Sub Total ==>	1,055	87	1,143	51.78	855	93.51	Sub Total ==>	0	0.00							
Ceiling Load					Ceiling Load			Ceiling Load								
Ventilation Load	59	-59	0	0.00	45	4.95	Ventilation Load	-49	0	0.00						
Ov/Undr Sizing	0	0	1,092	49.47	0	0.00	Ov/Undr Sizing	0	-790	66.41						
Exhaust Heat		-28	-28	-1.26	14	1.54	Exhaust Heat		14	-1.19						
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-351	29.49						
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		0	0.00						
Duct Heat Pkpw		0	0	0.00			Additional Reheat		0	0.00						
Reheat at Design			0	0.00			System Plenum Heat		-63	5.28						
Grand Total ==>	1,115	0	2,207	100.00	915	100.00	Grand Total ==>	-49	-1,190	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.2	1.3	42	83.3	70.2	90.8	55.2	53.9	60.1	Floor	150	-0.3	13	55.2	73.5	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	-0.9	20	13.0	55.2	
Total	0.2	2.2									Roof	0	0.0	0	0.0	0.0	
											Wall	0	0.0	0	0.0	0.0	
											Total	-1.2					

Room Checksums

By ae

249-ADVISING OFFICE 12

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling			Heating
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91			OADB: 13				SADB	55.2	73.3	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00							
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00							
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00							
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00							
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00							
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00							
Partition	0	0	0.00	0	0.00	Partition	0	0.00							
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00							
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01							
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01							
Internal Loads					Internal Loads			Internal Loads				ENGINEERING CKS			
Lights	349	87	20.03	349	39.56	Lights	0	0.00							
People	450		20.63	250	28.30	People	0	0.00							
Misc	230	0	10.56	230	26.08	Misc	0	0.00							
Sub Total ==>	1,030	87	51.22	830	93.95	Sub Total ==>	0	0.00							
Ceiling Load	53	-53	0.00	41	4.61	Ceiling Load	-44	0.00							
Ventilation Load	0	0	50.05	0	0.00	Ventilation Load	0	64.78							
Ov/Undr Sizing	0		0.00	13	1.44	Ov/Undr Sizing	0	0.00							
Exhaust Heat		-28	-1.27			Exhaust Heat		-1.16							
Sup. Fan Heat			0.00			OA Preheat Diff.		31.50							
Ret. Fan Heat		0	0.00			RA Preheat Diff.		0.00							
Duct Heat Pkup		0	0.00			Additional Reheat		0.00							
Reheat at Design			0.00			System Plenum Heat		4.88							
Grand Total ==>	1,083	6	100.00	883	100.00	Grand Total ==>	-44	100.00							
COOLING COIL SELECTION					AREAS					HEATING COIL SELECTION					
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass				Capacity	Coil Airflow	Ent	Lvg		
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)				MBh	cfm	°F	°F		
Main Clg	0.2	2.2	1.2 40 83.6 70.5 91.7	55.2 53.7 59.7	Floor	135				Main Htg	-0.2	12	55.2	73.3	
Aux Clg	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	Part	0				Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	ExFlr	0				Preheat	-0.9	20	13.0	55.2	
Total	0.2	2.2			Roof	0	0	0	Humidif	0.0	0	0.0	0.0		
					Wall	0	0	0	Opt Vent	0.0	0	0.0	0.0		
									Total	-1.2					

Room Checksums

By ae

250-ADVISING OFFICE 11

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling Heating			
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91			OADB: 13				SADB	55.2	73.3	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)		0.0	0.0	0.0
Envelope Loads					Envelope Loads			Envelope Loads							
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	0	0	0.00		0.0	0.0	0.0
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	0	0	0.00		0.0	0.0	0.0
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	0	0	0.00		0.0	0.0	0.0
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	0	0	0.00		0.0	0.0	0.0
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	0	0	0.00		0.0	0.0	0.0
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	0	0	0.00		0.0	0.0	0.0
Partition	0	0	0.00	0	0.00	Partition	0	0.00	0	0	0.00		0.0	0.0	0.0
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	0	0	0.00		0.0	0.0	0.0
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01	0	0	0.01		0.0	0.0	0.0
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01	0	0	0.01		0.0	0.0	0.0
Internal Loads					Internal Loads			Internal Loads							
Lights	349	87	437	20.03	349	39.56	Lights	0	0.00	0	0.00		0.0	0.0	0.0
People	450		450	20.63	250	28.30	People	0	0.00	0	0.00		0.0	0.0	0.0
Misc	230	0	230	10.56	230	26.08	Misc	0	0.00	0	0.00		0.0	0.0	0.0
Sub Total ==>	1,030	87	1,117	51.22	830	93.95	Sub Total ==>	0	0.00	0	0.00		0.0	0.0	0.0
Ceiling Load					Ceiling Load			Ceiling Load							
Ventilation Load	53	-53	0	0.00	41	4.61	Ventilation Load	-44	0.00	0	0.00		0.0	0.0	0.0
Ov/Undr Sizing	0	0	1,092	50.05	0	0.00	Ov/Undr Sizing	0	-763	64.78					
Exhaust Heat		-28	-28	-1.27	13	1.44	Exhaust Heat		14	-1.16					
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-371	31.50					
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		0	0.00					
Duct Heat PkUp		0	0	0.00			Additional Reheat		0	0.00					
Reheat at Design			0	0.00			System Plenum Heat		-57	4.88					
Grand Total ==>	1,083	6	2,181	100.00	883	100.00	Grand Total ==>	-44	-1,178	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.2	1.2	40	83.6	70.5	91.7	55.2	53.7	59.7		Main Htg	-0.2	12	55.2	73.3	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0		Preheat	-0.9	20	13.0	55.2	
Total	0.2	2.2										Humidif	0.0	0	0.0	0.0	
												Opt Vent	0.0	0	0.0	0.0	
												Total	-1.2				

Room Checksums

By ae

251-ADVISING OFFICE 10

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling			Heating
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91			OADB: 13				SADB	55.2	73.3	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)		0.0	0.0	0.0
Envelope Loads					Envelope Loads			Envelope Loads							
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	0	0	0.00		0.0	0.0	0.0
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	0	0	0.00		0.0	0.0	0.0
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	0	0	0.00		0.0	0.0	0.0
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	0	0	0.00		0.0	0.0	0.0
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	0	0	0.00		0.0	0.0	0.0
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	0	0	0.00		0.0	0.0	0.0
Partition	0	0	0.00	0	0.00	Partition	0	0.00	0	0	0.00		0.0	0.0	0.0
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	0	0	0.00		0.0	0.0	0.0
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01	0	0	0.01		0.0	0.0	0.0
<i>Sub Total ==></i>	0	0	0.00	0	0.00	<i>Sub Total ==></i>	0	0.01	0	0	0.01		0.0	0.0	0.0
Internal Loads					Internal Loads			Internal Loads							
Lights	349	87	437	20.03	349	39.56	Lights	0	0.00	0	0.00		0.0	0.0	0.0
People	450		450	20.63	250	28.30	People	0	0.00	0	0.00		0.0	0.0	0.0
Misc	230	0	230	10.56	230	26.08	Misc	0	0.00	0	0.00		0.0	0.0	0.0
<i>Sub Total ==></i>	1,030	87	1,117	51.22	830	93.95	<i>Sub Total ==></i>	0	0.00	0	0.00		0.0	0.0	0.0
Ceiling Load	53	-53	0	0.00	41	4.61	Ceiling Load	-44	0	0.00					
Ventilation Load	0	0	1,092	50.05	0	0.00	Ventilation Load	0	-763	64.78					
Ov/Undr Sizing	0		0	0.00	13	1.44	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat		-28	-28	-1.27			Exhaust Heat		14	-1.16					
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-371	31.50					
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		0	0.00					
Duct Heat Pkup		0	0	0.00			Additional Reheat		0	0.00					
Reheat at Design			0	0.00			System Plenum Heat		-57	4.88					
Grand Total ==>	1,083	6	2,181	100.00	883	100.00	Grand Total ==>	-44	-1,178	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.2	1.2	40	83.6	70.5	91.7	55.2	53.7	59.7	Floor	135	-0.2	12	55.2	73.3	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	-0.9	20	13.0	55.2	
Total	0.2	2.2									Roof	0	0.0	0	0.0	0.0	
											Wall	0	0.0	0	0.0	0.0	
											Humidif	0.0	0	0.0	0.0	0.0	
											Opt Vent	0.0	0	0.0	0.0	0.0	
											Total	-1.2					

AIRFLOWS			ENGINEERING CKS		
	Cooling	Heating		Cooling	Heating
Vent	20	12	% OA	49.7	100.0
Infil	0	0	cfm/ft²	0.30	0.09
Supply	40	12	cfm/ton	221.39	
MinStop/Rh	12	12	ft²/ton	742.71	
Return	40	12	Btu/hr-ft²	16.16	-8.73
Exhaust	20	12	No. People	1	
Rm Exh	0	0			
Auxil	0	0			

Room Checksums

By ae

252-ADVISING OFFICE 9

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES												
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling			Heating									
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91			OADB: 13				SADB	55.2	73.3	Plenum	76.3	69.0							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <td>76.3</td> <td>69.0</td> <td>Ret/OA</td> <td>83.6</td> <td>13.0</td> <td>Fn MtrTD</td> <td>0.0</td> <td>0.0</td>	76.3	69.0	Ret/OA	83.6	13.0	Fn MtrTD	0.0	0.0							
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn BldTD	0.0	0.0	Fn Frict	0.0	0.0										
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS												
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Cooling			Heating			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Roof Cond	0	0.00	Roof Cond	0	0.00	Vent	20	12	Infil	0	0	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Roof Cond	0	0.00	Glass Solar	0	0.00	Glass Solar	0	0.00	Supply	40	12	MinStop/Rh	12	12	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Glass Solar	0	0.00	Glass Cond	0	0.00	Glass Cond	0	0.00	Return	40	12	Exhaust	20	12	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	Glass Cond	0	0.00	Wall Cond	0	0.00	Wall Cond	0	0.00	Rm Exh	0	0	Auxil	0	0	
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	Wall Cond	0	0.00	Partition	0	0.00	Partition	0	0.00	ENGINEERING CKS						
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00	% OA	49.7	100.0	cfm/ft²	0.30	0.09	
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00	Infiltration	0	0.00	Infiltration	0	0.00	cfm/ton	221.39	ft²/ton	742.71	Btu/hr-ft²	16.16	-8.73
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	Infiltration	0	0.00	Sub Total ==>	0	0.01	Sub Total ==>	0	0.01	No. People	1					
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>	0	0.01													
Internal Loads					Internal Loads			Internal Loads																
Lights	349	87	437	20.03	349	39.56	Lights	0	0.00	Lights	0	0.00	Lights	0	0.00	Lights	0	0.00						
People	450		450	20.63	250	28.30	People	0	0.00	People	0	0.00	People	0	0.00	People	0	0.00						
Misc	230	0	230	10.56	230	26.08	Misc	0	0.00	Misc	0	0.00	Misc	0	0.00	Misc	0	0.00						
Sub Total ==>	1,030	87	1,117	51.22	830	93.95	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00						
Ceiling Load					Ceiling Load			Ceiling Load																
Lights	53	-53	0	0.00	41	4.61	Lights	-44	0.00	Lights	-44	0.00	Lights	-44	0.00	Lights	-44	0.00						
People	0	0	1,092	50.05	0	0.00	People	0	64.78	People	-763	64.78	People	0	0.00	People	0	0.00						
Misc	0	0	0	0.00	13	1.44	Misc	0	0.00	Misc	0	0.00	Misc	0	0.00	Misc	0	0.00						
Sub Total ==>	53	-53	0	0.00	41	4.61	Sub Total ==>	-44	0.00	Sub Total ==>	-44	0.00	Sub Total ==>	-44	0.00	Sub Total ==>	-44	0.00						
Ventilation Load					Ventilation Load			Ventilation Load																
Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00						
Exhaust Heat		-28	-28	-1.27			Exhaust Heat		-1.16	Exhaust Heat	14	-1.16	Exhaust Heat	14	-1.16	Exhaust Heat	14	-1.16						
Sup. Fan Heat		0	0	0.00			Sup. Fan Heat		31.50	Sup. Fan Heat	-371	31.50	Sup. Fan Heat	-371	31.50	Sup. Fan Heat	-371	31.50						
Ret. Fan Heat		0	0	0.00			Ret. Fan Heat		0.00	Ret. Fan Heat	0	0.00	Ret. Fan Heat	0	0.00	Ret. Fan Heat	0	0.00						
Duct Heat PkUp		0	0	0.00			Duct Heat PkUp		0.00	Duct Heat PkUp	0	0.00	Duct Heat PkUp	0	0.00	Duct Heat PkUp	0	0.00						
Reheat at Design		0	0	0.00			Reheat at Design		4.88	Reheat at Design	-57	4.88	Reheat at Design	-57	4.88	Reheat at Design	-57	4.88						
Sub Total ==>	1,083	6	2,181	100.00	883	100.00	Sub Total ==>	-44	-1,178	Sub Total ==>	-44	-1,178	Sub Total ==>	-44	-1,178	Sub Total ==>	-44	-1,178						
COOLING COIL SELECTION					AREAS					HEATING COIL SELECTION														
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg														
ton	MBh	MBh	cfm °F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F														
Main Clg	0.2	2.2	1.2	40	83.6	70.5	91.7	55.2	53.7	59.7	Main Htg	-0.2	12	55.2	73.3									
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0									
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-0.9	20	13.0	55.2									
Total	0.2	2.2									Humidif	0.0	0	0.0	0.0									
											Opt Vent	0.0	0	0.0	0.0									
											Total	-1.2												

Room Checksums

By ae

253-ADVISING OFFICE 8

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	73.3		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0		
Envelope Loads					Envelope Loads			Envelope Loads				Ret/OA				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00								
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01								
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS				
Lights	349	87	437	20.03	349	39.56	Lights	0	0.00				Cooling Heating			
People	450		450	20.63	250	28.30	People	0	0.00				Vent	20	12	
Misc	230	0	230	10.56	230	26.08	Misc	0	0.00				Infil	0	0	
Sub Total ==>	1,030	87	1,117	51.22	830	93.95	Sub Total ==>	0	0.00				Supply	40	12	
Ceiling Load					Ceiling Load			Ceiling Load				MinStop/Rh				
Ventilation Load	53	-53	0	0.00	41	4.61	Ventilation Load	-44	0.00				Return	40	12	
Ov/Undr Sizing	0	0	1,092	50.05	0	0.00	Ov/Undr Sizing	0	-763	64.78				Exhaust	20	12
Exhaust Heat		-28	-28	-1.27	13	1.44	Exhaust Heat	0	0.00				Rm Exh	0	0	
Sup. Fan Heat			0	0.00			OA Preheat Diff.		14	-1.16				Auxil	0	0
Ret. Fan Heat			0	0.00			RA Preheat Diff.		-371	31.50						
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00						
Reheat at Design			0	0.00			System Plenum Heat		-57	4.88						
Grand Total ==>	1,083	6	2,181	100.00	883	100.00	Grand Total ==>	-44	-1,178	100.00				ENGINEERING CKS		
COOLING COIL SELECTION					AREAS					HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass				Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm °F °F gr/lb	°F °F gr/lb		ft² (%)				MBh	cfm	°F	°F			
Main Clg	0.2	2.2	1.2	40	83.6	70.5	91.7	55.2	53.7	59.7	Main Htg	-0.2	12	55.2	73.3	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-0.9	20	13.0	55.2	
Total	0.2	2.2									Humidif	0.0	0	0.0	0.0	
											Opt Vent	0.0	0	0.0	0.0	
											Total	-1.2				

Room Checksums

By ae

254-ADVISING OFFICE 7

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13					
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads					Envelope Loads			Envelope Loads				SADB		
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	55.2	73.3				
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	76.3	69.0				
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	76.3	69.0				
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	83.6	13.0				
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	0.0	0.0				
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	0.0	0.0				
Partition	0	0	0.00	0	0.00	Partition	0	0.00	0.0	0.0				
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	0.0	0.0				
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01	0.0	0.0				
<i>Sub Total ==></i>	0	0	0.00	0	0.00	<i>Sub Total ==></i>	0	0.01	0.0	0.0				
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS		
Lights	349	87	20.03	349	39.56	Lights	0	0.00	20	12				
People	450		20.63	250	28.30	People	0	0.00	0	0				
Misc	230	0	10.56	230	26.08	Misc	0	0.00	40	12				
<i>Sub Total ==></i>	1,030	87	51.22	830	93.95	<i>Sub Total ==></i>	0	0.00	12	12				
Ceiling Load					Ceiling Load			Ceiling Load				Supply		
Ventilation Load	53	-53	0.00	41	4.61	Ventilation Load	-44	0.00	40	12				
Ov/Undr Sizing	0	0	50.05	0	0.00	Ov/Undr Sizing	0	64.78	12	12				
Exhaust Heat	0		0.00	13	1.44	Exhaust Heat	0	0.00	40	12				
Sup. Fan Heat		-28	-1.27			OA Preheat Diff.		-1.16	40	12				
Ret. Fan Heat		0	0.00			RA Preheat Diff.		31.50	0	0				
Duct Heat PkUp		0	0.00			Additional Reheat		0.00	0	0				
Reheat at Design		0	0.00			System Plenum Heat		4.88	0	0				
<i>Grand Total ==></i>	1,083	6	100.00	883	100.00	<i>Grand Total ==></i>	-44	100.00	0	0				
COOLING COIL SELECTION					AREAS				HEATING COIL SELECTION					
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass			Capacity	Coil Airflow	Ent	Lvg		
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)			MBh	cfm	°F	°F		
Main Clg	0.2	2.2	1.2 40 83.6 70.5 91.7	55.2 53.7 59.7	Floor	135			-0.2	12	55.2	73.3		
Aux Clg	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	Part	0			0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	ExFlr	0			-0.9	20	13.0	55.2		
<i>Total</i>	0.2	2.2			Roof	0	0	0	0.0	0	0.0	0.0		
					Wall	0	0	0	0.0	0	0.0	0.0		
					<i>Total</i>	-1.2								

Room Checksums

By ae

256-ADVISING OFFICE 5

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES																													
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling			Heating																										
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91			OADB: 13				SADB	55.2	73.3	Plenum	76.3	69.0																								
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <td>76.3</td> <td>69.0</td> <td>Ret/OA</td> <td>83.6</td> <td>13.0</td> <td>Fn MtrTD</td> <td>0.0</td> <td>0.0</td>	76.3	69.0	Ret/OA	83.6	13.0	Fn MtrTD	0.0	0.0																								
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn BldTD	0.0	0.0	Fn Frict	0.0	0.0																											
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS																													
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Cooling			Heating																				
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Roof Cond	0	0.00	Roof Cond	0	0.00	Vent	20	12	Infil	0	0	Supply	40	12	MinStop/Rh	12	12	Return	40	12	Exhaust	20	12	Rm Exh	0	0	Auxil	0	0
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Roof Cond	0	0.00	Glass Solar	0	0.00	Glass Solar	0	0.00	ENGINEERING CKS																							
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Glass Solar	0	0.00	Glass Cond	0	0.00	Glass Cond	0	0.00	% OA	49.7	100.0	cfm/ft²	0.30	0.09	cfm/ton	221.39		ft²/ton	742.71		Btu/hr-ft²	16.16	-8.73	No. People	1							
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	Glass Cond	0	0.00	Wall Cond	0	0.00	Wall Cond	0	0.00																								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	Wall Cond	0	0.00	Partition	0	0.00	Partition	0	0.00																								
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00																								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00	Infiltration	0	0.00	Infiltration	0	0.01																								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	Infiltration	0	0.01	Sub Total ==>	0	0.00	Sub Total ==>	0	0.01																								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>	0	0.01																														
Internal Loads					Internal Loads			Internal Loads																																	
Lights	349	87	437	20.03	349	39.56	Lights	0	0.00	Lights	0	0.00	Lights	0	0.00	Lights	0	0.00																							
People	450		450	20.63	250	28.30	People	0	0.00	People	0	0.00	People	0	0.00	People	0	0.00																							
Misc	230	0	230	10.56	230	26.08	Misc	0	0.00	Misc	0	0.00	Misc	0	0.00	Misc	0	0.00																							
Sub Total ==>	1,030	87	1,117	51.22	830	93.95	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00																							
Ceiling Load					Ceiling Load			Ceiling Load																																	
Lights	53	-53	0	0.00	41	4.61	Lights	-44	0.00	Lights	-44	0.00	Lights	-44	0.00	Lights	-44	0.00																							
People	0	0	1,092	50.05	0	0.00	People	0	0.00	People	0	0.00	People	0	0.00	People	0	0.00																							
Misc	0	0	0	0.00	13	1.44	Misc	0	0.00	Misc	0	0.00	Misc	0	0.00	Misc	0	0.00																							
Sub Total ==>	0	0	0	0.00	13	1.44	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00																							
Ventilation Load					Ventilation Load			Ventilation Load																																	
Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00																							
Exhaust Heat		-28	-28	-1.27			Exhaust Heat		14	-1.16	Exhaust Heat		14	-1.16	Exhaust Heat		14	-1.16																							
Sup. Fan Heat		0	0	0.00			Sup. Fan Heat		0	0.00	Sup. Fan Heat		0	0.00	Sup. Fan Heat		0	0.00																							
Ret. Fan Heat		0	0	0.00			Ret. Fan Heat		-371	31.50	Ret. Fan Heat		-371	31.50	Ret. Fan Heat		-371	31.50																							
Duct Heat Pkup		0	0	0.00			Duct Heat Pkup		0	0.00	Duct Heat Pkup		0	0.00	Duct Heat Pkup		0	0.00																							
Reheat at Design		0	0	0.00			Reheat at Design		0	0.00	Reheat at Design		0	0.00	Reheat at Design		0	0.00																							
Sub Total ==>	1,083	6	2,181	100.00	883	100.00	Sub Total ==>	-44	-1,178	100.00	Sub Total ==>	-44	-1,178	100.00	Sub Total ==>	-44	-1,178	100.00																							
COOLING COIL SELECTION					AREAS					HEATING COIL SELECTION																															
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg																															
ton	MBh	MBh	cfm °F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F																															
Main Clg	0.2	2.2	1.2	40	83.6	70.5	91.7	55.2	53.7	59.7	Main Htg	-0.2	12	55.2	73.3																										
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0																										
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-0.9	20	13.0	55.2																										
Total	0.2	2.2									Humidif	0.0	0	0.0	0.0																										
											Opt Vent	0.0	0	0.0	0.0																										
											Total	-1.2																													

Room Checksums

By ae

257-OFFICE SUPPORT STORAGE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling Heating		
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91			OADB: 13				SADB	55.2	77.3
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	76.3	69.0			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	76.3	69.0			
Envelope Loads					Envelope Loads			Envelope Loads				Fn MtrTD	0.0	0.0
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.0	0.0			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00						
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00						
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00						
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00						
Partition	0	0	0.00	0	0.00	Partition	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.03						
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.03						
Internal Loads					Internal Loads			Internal Loads						
Lights	524	131	656	100.00	524	86.60	Lights	0	0.00					
People	0	0	0	0.00	0	0.00	People	0	0.00					
Misc	0	0	0	0.00	0	0.00	Misc	0	0.00					
Sub Total ==>	524	131	656	100.00	524	86.60	Sub Total ==>	0	0.00					
Ceiling Load	81	-81	0	0.00	62	10.21	Ceiling Load	-66	0	0.00				
Ventilation Load	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00				
Ov/Undr Sizing	0	0	0	0.00	19	3.19	Ov/Undr Sizing	0	0	0.00				
Exhaust Heat		0	0	0.00			Exhaust Heat	0	0	0.00				
Sup. Fan Heat			0	0.00			OA Preheat Diff.	0	0	0.00				
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.	0	0	0.00				
Duct Heat Pkup		0	0	0.00			Additional Reheat	-126	62.47					
Reheat at Design			0	0.00			System Plenum Heat	-76	37.50					
Grand Total ==>	606	50	656	100.00	606	100.00	Grand Total ==>	-67	-202	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.1	0.7	0.7	28	76.3	63.0	65.5	55.2	55.0	64.8	Floor	205	-0.2	8	55.2	77.3	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0	
Total	0.1	0.7									Roof	0	0	0	0.0	0.0	
											Wall	0	0	0	0.0	0.0	
											Humidif	0.0	0	0.0	0.0	0.0	
											Opt Vent	0.0	0	0.0	0.0	0.0	
											Total	-0.2					

Room Checksums

By ae

259-ADVISING OFFICE 4

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	73.3		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0		
Envelope Loads					Envelope Loads			Envelope Loads				Ret/OA				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00								
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01								
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS				
Lights	349	87	437	20.03	349	39.56	Lights	0	0.00				Cooling Heating			
People	450		450	20.63	250	28.30	People	0	0.00				Vent	20	12	
Misc	230	0	230	10.56	230	26.08	Misc	0	0.00				Infil	0	0	
Sub Total ==>	1,030	87	1,117	51.22	830	93.95	Sub Total ==>	0	0.00				Supply	40	12	
Ceiling Load					Ceiling Load			Ceiling Load				MinStop/Rh				
Ventilation Load	53	-53	0	0.00	41	4.61	Ventilation Load	-44	0.00				Return	40	12	
Ov/Undr Sizing	0	0	1,092	50.05	0	0.00	Ov/Undr Sizing	0	-763	64.78				Exhaust	20	12
Exhaust Heat		-28	-28	-1.27	13	1.44	Exhaust Heat	0	0.00				Rm Exh	0	0	
Sup. Fan Heat			0	0.00			OA Preheat Diff.		14	-1.16				Auxil	0	0
Ret. Fan Heat			0	0.00			RA Preheat Diff.		-371	31.50						
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00						
Reheat at Design			0	0.00			System Plenum Heat		-57	4.88						
Grand Total ==>	1,083	6	2,181	100.00	883	100.00	Grand Total ==>	-44	-1,178	100.00				ENGINEERING CKS		
COOLING COIL SELECTION					AREAS					HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass				Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm °F °F gr/lb	°F °F gr/lb		ft² (%)				MBh	cfm	°F	°F			
Main Clg	0.2	2.2	1.2	40	83.6	70.5	91.7	55.2	53.7	59.7	Main Htg	-0.2	12	55.2	73.3	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-0.9	20	13.0	55.2	
Total	0.2	2.2									Humidif	0.0	0	0.0	0.0	
											Opt Vent	0.0	0	0.0	0.0	
											Total	-1.2				

Room Checksums

By ae

260-ADVISING OFFICE 3

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1				Cooling		Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13				SADB	55.2	73.3				
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total									
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)									
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS					
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00					Vent	Cooling	Heating		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00					Infil	20	12		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00					Supply	0	0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00					MinStop/Rh	40	12		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00					Return	12	12		
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00					Exhaust	40	12		
Partition	0	0	0.00	0	0.00	Partition	0	0.00					Rm Exh	20	12		
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00					Auxil	0	0		
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01					ENGINEERING CKS				
<i>Sub Total ==></i>	0	0	0.00	0	0.00	<i>Sub Total ==></i>	0	0.01					% OA	Cooling	Heating		
Internal Loads					Internal Loads			Internal Loads				cfm/ft²	49.7	100.0			
Lights	349	87	437	20.03	349	39.56	Lights	0	0.00					cfm/ton	0.30	0.09	
People	450		450	20.63	250	28.30	People	0	0.00					ft²/ton	221.39		
Misc	230	0	230	10.56	230	26.08	Misc	0	0.00					Btu/hr-ft²	742.71		
<i>Sub Total ==></i>	1,030	87	1,117	51.22	830	93.95	<i>Sub Total ==></i>	0	0.00					No. People	16.16	-8.73	
Ceiling Load					Ceiling Load			Ceiling Load									
Ventilation Load	53	-53	0	0.00	41	4.61	Ventilation Load	-44	0.00								
Ov/Undr Sizing	0	0	1,092	50.05	0	0.00	Ov/Undr Sizing	0	-763	64.78							
Exhaust Heat		-28	-28	-1.27	13	1.44	Exhaust Heat	0	14	-1.16							
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-371	31.50							
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		0	0.00							
Duct Heat Pkup		0	0	0.00			Additional Reheat		0	0.00							
Reheat at Design			0	0.00			System Plenum Heat		-57	4.88							
Grand Total ==>	1,083	6	2,181	100.00	883	100.00	Grand Total ==>	-44	-1,178	100.00							

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.2	2.2	1.2	40	83.6	70.5	91.7	55.2	53.7	59.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.2	2.2								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	135		
Part	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Aux Htg	0.0	0	0.0	0.0
Preheat	-0.9	20	13.0	55.2
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.2			

Room Checksums

By ae

261-ASSOCIATE DIRECTOR 5

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling Heating		
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91			OADB: 13				SADB	55.2	73.3
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	76.3	69.0			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	83.6	13.0			
Envelope Loads					Envelope Loads			Envelope Loads				Fn MtrTD	0.0	0.0
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.0	0.0			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00						
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00						
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00						
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00						
Partition	0	0	0.00	0	0.00	Partition	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01						
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01						
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS		
Lights	349	87	20.03	349	39.56	Lights	0	0.00	Vent	20	12			
People	450		20.63	250	28.30	People	0	0.00	Infil	0	0			
Misc	230	0	10.56	230	26.08	Misc	0	0.00	Supply	40	12			
Sub Total ==>	1,030	87	51.22	830	93.95	Sub Total ==>	0	0.00	MinStop/Rh	12	12			
Ceiling Load					Ceiling Load			Ceiling Load				Return	40	12
Ventilation Load	0	-53	0.00	41	4.61	Ventilation Load	-44	0.00	Exhaust	20	12			
Ov/Undr Sizing	0	0	50.05	0	0.00	Ov/Undr Sizing	0	-763	Rm Exh	0	0			
Exhaust Heat		0	0.00	13	1.44	Exhaust Heat	0	0.00	Auxil	0	0			
Sup. Fan Heat		-28	-1.27			OA Preheat Diff.		31.50						
Ret. Fan Heat		0	0.00			RA Preheat Diff.		0.00						
Duct Heat Pkup		0	0.00			Additional Reheat		0.00						
Reheat at Design		0	0.00			System Plenum Heat		4.88						
Grand Total ==>	1,083	6	100.00	883	100.00	Grand Total ==>	-44	-1,178						
COOLING COIL SELECTION					AREAS				HEATING COIL SELECTION					
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F				
Main Clg	0.2	2.2	40 83.6 70.5 91.7	55.2 53.7 59.7	Floor	135	-0.2	12	55.2	73.3				
Aux Clg	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	Part	0	0.0	0	0.0	0.0				
Opt Vent	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	ExFlr	0	-0.9	20	13.0	55.2				
Total	0.2	2.2			Roof	0	0.0	0	0.0	0.0				
					Wall	0	0.0	0	0.0	0.0				
							Humidif	0.0	0	0.0				
							Opt Vent	0.0	0	0.0				
							Total	-1.2						

Room Checksums

By ae

262-ASSOCIATE DIRECTOR 4

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	73.3		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0		
Envelope Loads					Envelope Loads			Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Ret/OA	83.6	13.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn MtrTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn BldTD	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Fn Frict	0.0	0.0		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01								
Internal Loads					Internal Loads			Internal Loads								
Lights	349	87	437	20.03	349	39.56	Lights	0	0.00							
People	450		450	20.63	250	28.30	People	0	0.00							
Misc	230	0	230	10.56	230	26.08	Misc	0	0.00							
Sub Total ==>	1,030	87	1,117	51.22	830	93.95	Sub Total ==>	0	0.00							
Ceiling Load					Ceiling Load			Ceiling Load								
Ventilation Load	53	-53	0	0.00	41	4.61	Ventilation Load	-44	0.00							
Ov/Undr Sizing	0	0	1,092	50.05	0	0.00	Ov/Undr Sizing	0	-763	64.78						
Exhaust Heat		-28	-28	-1.27	13	1.44	Exhaust Heat		14	-1.16						
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-371	31.50						
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		0	0.00						
Duct Heat Pkup		0	0	0.00			Additional Reheat		0	0.00						
Reheat at Design			0	0.00			System Plenum Heat		-57	4.88						
Grand Total ==>	1,083	6	2,181	100.00	883	100.00	Grand Total ==>	-44	-1,178	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.2	1.2	40	83.6	70.5	91.7	55.2	53.7	59.7		Main Htg	-0.2	12	55.2	73.3	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0		Preheat	-0.9	20	13.0	55.2	
Total	0.2	2.2										Humidif	0.0	0	0.0	0.0	
												Opt Vent	0.0	0	0.0	0.0	
												Total	-1.2				

Room Checksums

By ae

263-ASSOCIATE DIRECTOR 3

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling			Heating
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91			OADB: 13				SADB	55.2	73.3	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	76.3	69.0				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	83.6	13.0				
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn MtrTD	0.0	0.0				
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn BldTD	0.0	0.0				
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Fn Frict	0.0	0.0				
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	ENGINEERING CKS						
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	% OA	49.7	100.0				
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	cfm/ft²	0.30	0.09				
Partition	0	0	0.00	0	0.00	Partition	0	0.00	cfm/ton	221.39					
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	ft²/ton	742.71					
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01	Btu/hr-ft²	16.16	-8.73				
<i>Sub Total ==></i>	0	0	0.00	0	0.00	<i>Sub Total ==></i>	0	0.01	No. People	1					
Internal Loads					Internal Loads			Internal Loads							
Lights	349	87	437	20.03	349	39.56	Lights	0	0.00						
People	450		450	20.63	250	28.30	People	0	0.00						
Misc	230	0	230	10.56	230	26.08	Misc	0	0.00						
<i>Sub Total ==></i>	1,030	87	1,117	51.22	830	93.95	<i>Sub Total ==></i>	0	0.00						
Ceiling Load					Ceiling Load			Ceiling Load							
Ventilation Load	0	0	1,092	50.05	0	0.00	Ventilation Load	0	-763	64.78					
Ov/Undr Sizing	0		0	0.00	13	1.44	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat		-28	-28	-1.27			Exhaust Heat		14	-1.16					
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-371	31.50					
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		0	0.00					
Duct Heat Pkup		0	0	0.00			Additional Reheat		0	0.00					
Reheat at Design			0	0.00			System Plenum Heat		-57	4.88					
<i>Grand Total ==></i>	1,083	6	2,181	100.00	883	100.00	<i>Grand Total ==></i>	-44	-1,178	100.00					

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.2	2.2	1.2	40	83.6	70.5	91.7	55.2	53.7	59.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.2	2.2								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	135		
Part	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent °F	Lvg °F
Main Htg	-0.2	12	55.2	73.3
Aux Htg	0.0	0	0.0	0.0
Preheat	-0.9	20	13.0	55.2
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.2			

Room Checksums

By ae

264-ADVISING OFFICE 2

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	72.4		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0		
Envelope Loads					Envelope Loads			Envelope Loads				Ret/OA				
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00				Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00				Fn BldTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	0	0	0.00				Fn Frict	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	0	0	0.00				AIRFLOWS				
Glass Cond	0	0	0.00	0	0.00	0	0	0.00				Cooling Heating				
Wall Cond	0	0	0.00	0	0.00	0	0	0.00				Vent	40	15		
Partition	0	0	0.00	0	0.00	0	0	0.00				Infil	0	0		
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00				Supply	51	15		
Infiltration	0	0	0.00	0	0.00	0	0	0.00				MinStop/Rh	15	15		
Sub Total ==>	0	0	0.00	0	0.00	0	0	0.00				Return	51	15		
Internal Loads					Internal Loads			Internal Loads				Exhaust				
Lights	349	87	437	11.88	349	31.42	0	0	0.00				Rm Exh	0	0	
People	900		900	24.47	500	44.95	0	0	0.00				Auxil	0	0	
Misc	213	0	213	5.80	213	19.18	0	0	0.00				ENGINEERING CKS			
Sub Total ==>	1,463	87	1,550	42.15	1,063	95.55	0	0	0.00				Cooling Heating			
Ceiling Load					Ceiling Load			Ceiling Load				% OA				
Ventilation Load	49	-49	0	0.00	38	3.39	-41	0	0.00				cfm/ft²	78.9	100.0	
Ov/Undr Sizing	0	0	2,183	59.36	0	0.00	0	-961	44.44				cfm/ton	0.41	0.12	
Exhaust Heat		-55	-55	-1.51	12	1.06	0	0	0.00				ft²/ton	165.33		
Sup. Fan Heat			0	0.00			0	17	-0.80				Btu/hr-ft²	407.81		
Ret. Fan Heat			0	0.00			0	-1,161	53.68				No. People	2		
Duct Heat Pkup			0	0.00			0	0	0.00							
Reheat at Design			0	0.00			0	0	0.00							
Grand Total ==>	1,512	-18	3,678	100.00	1,112	100.00	Grand Total ==>	-41	-2,162	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR		Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg					
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	MBh	cfm	°F	°F					
Main Clg	0.3	3.7	1.8	51	87.9	74.3	107.2	55.2	52.8	56.0	0	15	55.2	72.4				
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0.0				
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0	40	13.0	55.2				
Total	0.3	3.7									0.0	0	0.0	0.0				
											0.0	0	0.0	0.0				
											0.0	0	0.0	0.0				
											-2.2							

Room Checksums

By ae

265-TRANSCRIPT EVALUATOR 2

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1				Cooling		Heating			
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13				SADB	55.2	73.3			
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total								
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)								
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00					Vent	20	12	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00					Infil	0	0	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00					Supply	40	12	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00					MinStop/Rh	12	12	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00					Return	40	12	
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00					Exhaust	20	12	
Partition	0	0	0.00	0	0.00	Partition	0	0.00					Rm Exh	0	0	
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00					Auxil	0	0	
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01					ENGINEERING CKS			
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01					% OA	49.7	100.0	
Internal Loads					Internal Loads			Internal Loads				cfm/ft²	0.30	0.09		
Lights	349	87	437	20.03	349	39.56	Lights	0	0.00					cfm/ton	221.39	
People	450		450	20.63	250	28.30	People	0	0.00					ft²/ton	742.71	
Misc	230	0	230	10.56	230	26.08	Misc	0	0.00					Btu/hr-ft²	16.16	-8.73
Sub Total ==>	1,030	87	1,117	51.22	830	93.95	Sub Total ==>	0	0.00					No. People	1	
Ceiling Load					Ceiling Load			Ceiling Load								
Ventilation Load	0	0	1,092	50.05	0	0.00	Ventilation Load	0	-763	64.78						
Ov/Undr Sizing	0		0	0.00	13	1.44	Ov/Undr Sizing	0	0	0.00						
Exhaust Heat		-28	-28	-1.27			Exhaust Heat		14	-1.16						
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-371	31.50						
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00						
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00						
Reheat at Design			0	0.00			System Plenum Heat		-57	4.88						
Grand Total ==>	1,083	6	2,181	100.00	883	100.00	Grand Total ==>	-44	-1,178	100.00						

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.2	2.2	1.2	40	83.6	70.5	91.7	55.2	53.7	59.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.2	2.2								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	135		
Part	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent °F	Lvg °F
Main Htg	-0.2	12	55.2	73.3
Aux Htg	0.0	0	0.0	0.0
Preheat	-0.9	20	13.0	55.2
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.2			

Room Checksums

By ae

266-ASSOCIATE DIRECTOR 2

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1				Cooling		Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13				SADB	55.2	73.3				
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total									
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)									
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS					
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00					Vent	Cooling	Heating		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00					Infil	20	12		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00					Supply	0	0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00					MinStop/Rh	40	12		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00					Return	12	12		
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00					Exhaust	40	12		
Partition	0	0	0.00	0	0.00	Partition	0	0.00					Rm Exh	20	12		
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00					Auxil	0	0		
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01					ENGINEERING CKS				
<i>Sub Total ==></i>	0	0	0.00	0	0.00	<i>Sub Total ==></i>	0	0.01					% OA	Cooling	Heating		
Internal Loads					Internal Loads			Internal Loads				cfm/ft ²	49.7	100.0			
Lights	349	87	437	20.03	349	39.56	Lights	0	0.00					cfm/ton	0.30	0.09	
People	450		450	20.63	250	28.30	People	0	0.00					ft ² /ton	221.39		
Misc	230	0	230	10.56	230	26.08	Misc	0	0.00					Btu/hr-ft ²	742.71		
<i>Sub Total ==></i>	1,030	87	1,117	51.22	830	93.95	<i>Sub Total ==></i>	0	0.00					No. People	16.16	-8.73	
Ceiling Load					Ceiling Load			Ceiling Load									
Ventilation Load	53	-53	0	0.00	41	4.61	Ventilation Load	-44	0.00								
Ov/Undr Sizing	0	0	1,092	50.05	0	0.00	Ov/Undr Sizing	0	-763	64.78							
Exhaust Heat			0	0.00	13	1.44	Exhaust Heat	0	0	0.00							
Sup. Fan Heat			0	0.00			OA Preheat Diff.		14	-1.16							
Ret. Fan Heat			0	0.00			RA Preheat Diff.		-371	31.50							
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00							
Reheat at Design			0	0.00			System Plenum Heat		0	0.00							
<i>Grand Total ==></i>	1,083	6	2,181	100.00	883	100.00	<i>Grand Total ==></i>	-44	-1,178	100.00							

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.2	2.2	1.2	40	83.6	70.5	91.7	55.2	53.7	59.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.2	2.2								

AREAS			
	Gross Total	Glass	
		ft ²	(%)
Floor	135		
Part	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent °F	Lvg °F
Main Htg	-0.2	12	55.2	73.3
Aux Htg	0.0	0	0.0	0.0
Preheat	-0.9	20	13.0	55.2
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.2			

Room Checksums

By ae

267-TRANSCRIPT EVALUATOR 1

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1				Cooling		Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13				SADB	55.2	73.3				
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total									
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)									
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS					
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00					Cooling				
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00					Heating				
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00					Vent	20	12		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00					Infil	0	0		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00					Supply	40	12		
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00					MinStop/Rh	12	12		
Partition	0	0	0.00	0	0.00	Partition	0	0.00					Return	40	12		
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00					Exhaust	20	12		
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01					Rm Exh	0	0		
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01					Auxil	0	0		
Internal Loads					Internal Loads			Internal Loads				ENGINEERING CKS					
Lights	349	87	437	20.03	349	39.56	Lights	0	0.00					% OA	49.7	100.0	
People	450		450	20.63	250	28.30	People	0	0.00					cfm/ft²	0.30	0.09	
Misc	230	0	230	10.56	230	26.08	Misc	0	0.00					cfm/ton	221.39		
Sub Total ==>	1,030	87	1,117	51.22	830	93.95	Sub Total ==>	0	0.00					ft²/ton	742.71		
Ceiling Load					Ceiling Load			Ceiling Load				Btu/hr-ft²					
Ventilation Load	53	-53	0	0.00	41	4.61	Ventilation Load	-44	0.00					No. People	1		
Ov/Undr Sizing	0	0	1,092	50.05	0	0.00	Ov/Undr Sizing	0	-763	64.78							
Exhaust Heat		-28	-28	-1.27	13	1.44	Exhaust Heat		14	-1.16							
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-371	31.50							
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00							
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00							
Reheat at Design			0	0.00			System Plenum Heat		-57	4.88							
Grand Total ==>	1,083	6	2,181	100.00	883	100.00	Grand Total ==>	-44	-1,178	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.2	1.2	40	83.6	70.5	91.7	55.2	53.7	59.7	Floor	135	-0.2	12	55.2	73.3	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	-0.9	20	13.0	55.2	
											Roof	0	0.0	0	0.0	0.0	
											Wall	0	0.0	0	0.0	0.0	
Total	0.2	2.2									Total	-1.2					

Room Checksums

By ae

268-ASSOCIATE DIRECTOR 1

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1				Cooling		Heating		
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13				SADB	55.2	73.3		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads			Envelope Loads							
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0.00	0.0	0.0
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0.00	0.0	0.0
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0.00	0.0	0.0
Glass Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0.00	0.0	0.0
Glass Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0.00	0.0	0.0
Wall Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0.00	0.0	0.0
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0.00	0.0	0.0
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0.00	0.0	0.0
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.01	0	0.01	0.0	0.0
<i>Sub Total ==></i>	0	0	0.00	0	0.00	0	0	0.01	0	0	0.01	0	0.01	0.0	0.0
Internal Loads					Internal Loads			Internal Loads							
Lights	349	87	437	20.03	349	39.56	0	0	0.00	0	0	0.00	0	0.00	0.00
People	450		450	20.63	250	28.30	0	0	0.00	0	0	0.00	0	0.00	0.00
Misc	230	0	230	10.56	230	26.08	0	0	0.00	0	0	0.00	0	0.00	0.00
<i>Sub Total ==></i>	1,030	87	1,117	51.22	830	93.95	0	0	0.00	0	0	0.00	0	0.00	0.00
Ceiling Load					Ceiling Load			Ceiling Load							
Ventilation Load	53	-53	0	0.00	41	4.61	-44	0	0.00	0	0	0.00	0	0.00	0.00
Ov/Undr Sizing	0	0	1,092	50.05	0	0.00	0	-763	64.78	0	0	0.00	0	0.00	0.00
Exhaust Heat	0		0	0.00	13	1.44	0	0	0.00	0	0	0.00	0	0.00	0.00
Sup. Fan Heat			0	0.00			0	14	-1.16	0	0	0.00	0	0.00	0.00
Ret. Fan Heat			0	0.00			0	-371	31.50	0	0	0.00	0	0.00	0.00
Duct Heat PkUp			0	0.00			0	0	0.00	0	0	0.00	0	0.00	0.00
Reheat at Design			0	0.00			0	0	0.00	0	0	0.00	0	0.00	0.00
<i>Grand Total ==></i>	1,083	6	2,181	100.00	883	100.00	<i>Grand Total ==></i>	-44	-1,178	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total		Glass	Capacity	Coil Airflow	Ent	Lvg						
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb	ft²	(%)	ft² (%)	MBh	cfm	°F	°F						
Main Clg	0.2	2.2	1.2	40	83.6	70.5	91.7	55.2	53.7	59.7	0.0	0.0	0.0	0.0			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
<i>Total</i>	0.2	2.2															

TEMPERATURES					AIRFLOWS					ENGINEERING CKS						
SADB	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	Cooling	Heating	Vent	Infil	Supply	MinStop/Rh	Return	Exhaust	Rm Exh	Auxil
55.2	76.3	76.3	83.6	0.0	0.0	0.0	20	12	40	12	12	12	40	12	0	0
73.3	69.0	69.0	13.0	0.0	0.0	0.0	0	0	40	12	12	12	40	12	0	0
				0.0	0.0	0.0	0	0	20	12	12	12	40	12	0	0
				0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0
				0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total		Glass	Capacity	Coil Airflow	Ent	Lvg						
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb	ft²	(%)	ft² (%)	MBh	cfm	°F	°F						
Main Htg	-0.2	12	55.2	73.3	0	0	0	0.0	0	0.0	0.0	0.0	0.0	0.0			
Aux Htg	0.0	0	0.0	0.0	0	0	0	0.0	0	0.0	0.0	0.0	0.0	0.0			
Preheat	-0.9	20	13.0	55.2	0	0	0	0.0	0	0.0	0.0	0.0	0.0	0.0			
Humidif	0.0	0	0.0	0.0	0	0	0	0.0	0	0.0	0.0	0.0	0.0	0.0			
Opt Vent	0.0	0	0.0	0.0	0	0	0	0.0	0	0.0	0.0	0.0	0.0	0.0			
<i>Total</i>	-1.2																

Room Checksums

By ae

269-ADVISING OFFICE 1

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13					
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads					Envelope Loads			Envelope Loads				SADB		
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	55.2	72.4				
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	76.3	69.0				
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	76.3	69.0				
Glass Solar	0	0	0.00	0	0.00	0	0	0.00	87.9	13.0				
Glass Cond	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0				
Wall Cond	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0				
Partition	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0				
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0				
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0				
<i>Sub Total ==></i>	0	0	0.00	0	0.00	0	0	0.00						
Internal Loads					Internal Loads			Internal Loads				FN MtrTD		
Lights	349	87	437	11.88	349	31.42	0	0	0.00	0.0	0.0			
People	900		900	24.47	500	44.95	0	0	0.00	0.0	0.0			
Misc	213	0	213	5.80	213	19.18	0	0	0.00	0.0	0.0			
<i>Sub Total ==></i>	1,463	87	1,550	42.15	1,063	95.55	0	0	0.00	0.0	0.0			
Ceiling Load					Ceiling Load			Ceiling Load				FN BldTD		
Ventilation Load	49	-49	0	0.00	38	3.39	-41	0	0.00	0.0	0.0			
Ov/Undr Sizing	0	0	2,183	59.36	0	0.00	0	-961	44.44	0.0	0.0			
Exhaust Heat		-55	-55	-1.51	12	1.06	0	0	0.00	0.0	0.0			
Sup. Fan Heat			0	0.00				17	-0.80	0.0	0.0			
Ret. Fan Heat		0	0	0.00				OA Preheat Diff.	-1,161	53.68	0.0	0.0		
Duct Heat Pkup		0	0	0.00				RA Preheat Diff.	0	0.00	0.0	0.0		
Reheat at Design			0	0.00				Additional Reheat	0	0.00	0.0	0.0		
								System Plenum Heat	-58	2.67	0.0	0.0		
<i>Grand Total ==></i>	1,512	-18	3,678	100.00	1,112	100.00	<i>Grand Total ==></i>	-41	-2,162	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR		Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	°F	°F	°F	°F		ft²	(%)	MBh	cfm	°F	°F				
Main Clg	0.3	3.7	1.8	51	87.9	74.3	107.2	55.2	52.8	56.0	0	0	0	0	0		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0		
<i>Total</i>	0.3	3.7															

TEMPERATURES			AIRFLOWS			ENGINEERING CKS		
	Cooling	Heating		Cooling	Heating		Cooling	Heating
SADB	55.2	72.4	Vent	40	15	% OA	78.9	100.0
Plenum	76.3	69.0	Infil	0	0	cfm/ft²	0.41	0.12
Return	76.3	69.0	Supply	51	15	cfm/ton	165.33	
Ret/OA	87.9	13.0	MinStop/Rh	15	15	ft²/ton	407.81	
Fn MtrTD	0.0	0.0	Return	51	15	Btu/hr-ft²	29.43	-17.30
Fn BldTD	0.0	0.0	Exhaust	40	15	No. People	2	
Fn Frict	0.0	0.0	Rm Exh	0	0			
			Auxil	0	0			

Room Checksums

By ae

300-VENDING ALCOVE

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 21					Mo/Hr: 7 / 21					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 80 / 73 / 110					OADB: 80					OADB: 13					SADB	57.7	75.5
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Plenum	77.4	68.2			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	77.4	68.2			
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	0	0	0.00	Ret/OA	77.4	68.2			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	0	0	0.00	Fn MtrTD	0.0	0.0			
Roof Cond	0	167	20.27	0	0.00	Roof Cond	0	0.00	0	-210	113.42	Fn BldTD	0.0	0.0			
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	0	0	0.00	Fn Frict	0.0	0.0			
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	0	0	0.00	AIRFLOWS					
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	0	0	0.00	Cooling Heating					
Partition	0	0	0.00	0	0.00	Partition	0	0.00	0	0	0.00	Vent	0	0			
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	0	0	0.00	Infil	0	0			
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	0	0	0.03	Supply	31	9			
Sub Total ==>	0	167	20.27	0	0.00	Sub Total ==>	0	0.00	0	-210	113.46	MinStop/Rh	9	9			
Internal Loads																	
Lights	524	131	79.73	524	87.37	Lights	0	0.00	0	0	0.00	Return	31	9			
People	0	0	0.00	0	0.00	People	0	0.00	0	0	0.00	Exhaust	0	0			
Misc	0	0	0.00	0	0.00	Misc	0	0.00	0	0	0.00	Rm Exh	0	0			
Sub Total ==>	524	131	79.73	524	87.37	Sub Total ==>	0	0.00	0	0	0.00	Auxil	0	0			
Ceiling Load																	
Ventilation Load	76	-76	0.00	66	11.05	Ceiling Load	-57	0.00	0	0	0.00	ENGINEERING CKS					
Ov/Undr Sizing	0	0	0.00	0	0.00	Ventilation Load	0	0.00	0	0	0.00	Cooling Heating					
Exhaust Heat	0	0	0.00	9	1.57	Ov/Undr Sizing	0	0.00	0	0	0.00	% OA	0.0	0.0			
Sup. Fan Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00	0	0	0.00	cfm/ft²	0.31	0.09			
Ret. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00	0	0	0.00	cfm/ton	455.78				
Duct Heat Pkup	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00	0	0	0.00	ft³/ton	1,460.09				
Reheat at Design	0	0	0.00	0	0.00	Additional Reheat	-110	59.28	0	0	0.00	Btu/hr-ft²	8.22	-1.85			
Grand Total ==>	600	222	100.00	600	100.00	System Plenum Heat	134	-72.73	0	0	0.00	No. People	0				
Grand Total ==>																	
Grand Total ==>																	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.1	0.8	0.8	31	77.4	63.4	65.5	57.7	54.6	59.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.1	0.8								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	100		
Part	0		
ExFlr	0		
Roof	100	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.2			

Room Checksums

By ae

300A-JANITORS CLOSET

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 21					Mo/Hr: 7 / 21				Mo/Hr: 13 / 1				Cooling Heating		
Outside Air: OADB/WB/HR: 80 / 73 / 110					OADB: 80				OADB: 13				SADB	57.7	73.5
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <td>77.4</td> <td>68.2</td>	77.4	68.2				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA <td>77.4</td> <td>68.2</td>	77.4	68.2				
Envelope Loads												Fn MtrTD	0.0	0.0	
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.0	0.0				
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.0	0.0				
Roof Cond	0	33	13.23	0	0.00	Roof Cond	0	-42 80.72							
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00							
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00							
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00							
Partition	0	0	0.00	0	0.00	Partition	0	0.00							
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00							
Infiltration	0	0	0.00	0	0.01	Infiltration	0	0.12							
Sub Total ==>	0	33	13.23	0	0.01	Sub Total ==>	0	-42 80.84							
Internal Loads												AIRFLOWS			
Lights	175	44	218 86.77	175	92.02	Lights	0	0.00	Vent	0	0				
People	0	0	0.00	0	0.00	People	0	0.00	Infil	0	0				
Misc	0	0	0.00	0	0.00	Misc	0	0.00	Supply	10	3				
Sub Total ==>	175	44	218 86.77	175	92.02	Sub Total ==>	0	0.00	MinStop/Rh	3	3				
Ceiling Load												Return	10	3	
Ventilation Load	0	0	0.00	0	0.00	Ventilation Load	0	0.00	Exhaust	0	0				
Ov/Undr Sizing	0	0	0.00	2	0.99	Ov/Undr Sizing	0	0.00	Rm Exh	0	0				
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00	Auxil	0	0				
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00							
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00							
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	-35	66.76							
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	25	-47.59							
Grand Total ==>	190	62	252 100.00	190	100.00	Grand Total ==>	-11	-52 100.00	ENGINEERING CKS						
COOLING COIL SELECTION												% OA	0.0	0.0	
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR							cfm/ft²	0.49	0.15		
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb							cfm/ton	470.95			
Main Clg	0.0	0.3	10 77.4 63.4 65.5	57.7 54.9 60.4							ft²/ton	953.30			
Aux Clg	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0							Btu/hr-ft²	12.59	-2.60		
Opt Vent	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0							No. People	0			
Total	0.0	0.3													
AREAS															
Gross Total		Glass													
		ft²	(%)												
Floor	20														
Part	0														
ExFlr	0														
Roof	20	0	0												
Wall	0	0	0												
HEATING COIL SELECTION															
Capacity	Coil Airflow	Ent	Lvg												
MBh	cfm	°F	°F												
Main Htg	-0.1	3	57.7	73.5											
Aux Htg	0.0	0	0.0	0.0											
Preheat	0.0	0	0.0	0.0											
Humidif	0.0	0	0.0	0.0											
Opt Vent	0.0	0	0.0	0.0											
Total	-0.1														

Room Checksums

By ae

302-ACADEMIC SUPPORT, CAREER & COUNCIL

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 21				Mo/Hr: 13 / 1							
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 80				OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total								
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)								
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Cooling	Heating			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				200	79			
Roof Cond	0	352	1.97	0	0.00	Roof Cond	0	-838				Infil	0	0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Supply	263	79		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00				MinStop/Rh	79	79		
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00				Return	263	79		
Partition	0	0	0.00	0	0.00	Partition	0	0.00				Exhaust	200	79		
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00				Rm Exh	0	0		
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00				Auxil	0	0		
Sub Total ==>	0	352	1.97	0	0.00	Sub Total ==>	0	-838	7.47				ENGINEERING CKS			
Internal Loads					Internal Loads			Internal Loads				% OA				
Lights	1,573	393	11.00	1,573	31.09	Lights	0	0.00				76.0	100.0			
People	4,500		25.17	2,500	49.42	People	0	0.00				cfm/ft²	0.66	0.20		
Misc	683	0	3.82	683	13.49	Misc	0	0.00				cfm/ton	176.65			
Sub Total ==>	6,755	393	39.99	4,755	94.01	Sub Total ==>	0	0	0.00				ft²/ton	268.49		
Ceiling Load					Ceiling Load			Ceiling Load				Btu/hr-ft²				
Ventilation Load	0	0	61.01	0	0.00	Ventilation Load	0	-4,991	44.51				44.69	-28.04		
Ov/Undr Sizing	0	0	0.00	38	0.75	Ov/Undr Sizing	0	0	0.00				No. People	10		
Exhaust Heat		-530	-2.97			Exhaust Heat		156	-1.40							
Sup. Fan Heat		0	0.00			OA Preheat Diff.		-5,997	53.47							
Ret. Fan Heat		0	0.00			RA Preheat Diff.		0	0.00							
Duct Heat PkUp		0	0.00			Additional Reheat		0	0.00							
Reheat at Design		0	0.00			System Plenum Heat		455	-4.06							
Grand Total ==>	7,058	-88	17,878	100.00	5,058	100.00	Grand Total ==>	-227	-11,214	100.00						

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.5	17.9	8.5	263	87.7	74.0	105.6	57.7	54.1	57.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.5	17.9								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	400		
Part	0		
ExFlr	0		
Roof	400	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
Main Htg	-1.3	79	57.7	72.6
Aux Htg	0.0	0	0.0	0.0
Preheat	-9.9	200	13.0	57.7
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-11.2			

Room Checksums

By ae

302A-WAITING

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 21					Mo/Hr: 7 / 21					Mo/Hr: 13 / 1							
Outside Air: OADB/WB/HR: 80 / 73 / 110					OADB: 80					OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total			Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total						
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)			Btu/h	Btu/h	(%)						
Envelope Loads																	
Skylite Solar	0	0	0	0.00	0	0.00			Skylite Solar	0	0	0.00					
Skylite Cond	0	0	0	0.00	0	0.00			Skylite Cond	0	0	0.00					
Roof Cond	0	383	383	18.36	0	0.00			Roof Cond	0	-482	101.44					
Glass Solar	0	0	0	0.00	0	0.00			Glass Solar	0	0	0.00					
Glass Cond	0	0	0	0.00	0	0.00			Glass Cond	0	0	0.00					
Wall Cond	0	0	0	0.00	0	0.00			Wall Cond	0	0	0.00					
Partition	0	0	0	0.00	0	0.00			Partition	0	0	0.00					
Exposed Floor	0	0	0	0.00	0	0.00			Exposed Floor	0	0	0.00					
Infiltration	0	0	0	0.00	0	0.00			Infiltration	0	0	0.01					
Sub Total ==>	0	383	383	18.36	0	0.00			Sub Total ==>	0	-482	101.46					
Internal Loads																	
Lights	1,049	262	1,311	62.83	1,049	64.92			Lights	0	0	0.00					
People	0	0	0	0.00	0	0.00			People	0	0	0.00					
Misc	393	0	393	18.81	393	24.30			Misc	0	0	0.00					
Sub Total ==>	1,441	262	1,703	81.64	1,441	89.22			Sub Total ==>	0	0	0.00					
Ceiling Load																	
Ventilation Load	174	-174	0	0.00	153	9.44			Ceiling Load	-130	0	0.00					
Ov/Undr Sizing	0	0	0	0.00	0	0.00			Ventilation Load	0	0	0.00					
Exhaust Heat	0	0	0	0.00	22	1.34			Ov/Undr Sizing	0	0	0.00					
Sup. Fan Heat	0	0	0	0.00	0	0.00			Exhaust Heat	0	0	0.00					
Ret. Fan Heat	0	0	0	0.00	0	0.00			OA Preheat Diff.	0	0	0.00					
Duct Heat Pkup	0	0	0	0.00	0	0.00			RA Preheat Diff.	0	0	0.00					
Reheat at Design	0	0	0	0.00	0	0.00			Additional Reheat	-295	62.06						
Grand Total ==>	1,615	471	2,087	100.00	1,615	100.00			System Plenum Heat	302	-63.52						
Grand Total ==>	1,615	471	2,087	100.00	1,615	100.00			Grand Total ==>	-130	-475	100.00					

AIRFLOWS			ENGINEERING CKS		
	Cooling	Heating		Cooling	Heating
Vent	0	0	% OA	0.0	0.0
Infil	0	0	cfm/ft²	0.37	0.11
Supply	84	25	cfm/ton	483.38	
MinStop/Rh	25	25	ft³/ton	1,322.77	
Return	84	25	Btu/hr-ft²	9.07	-2.07
Exhaust	0	0	No. People	0	
Rm Exh	0	0			
Auxil	0	0			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.1	2.1	84	77.4	63.4	65.5	57.7	55.2	61.3	Floor	-0.5	25	57.7	74.7		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0.0	0	0.0	0.0		
Total	0.2	2.1									Roof	0.0	0	0.0	0.0		
											Wall	0.0	0	0.0	0.0		
											Total	-0.5					

Room Checksums

By ae

303-OFFICE SUPPORT WORK AREA

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 21					Mo/Hr: 13 / 1							
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 80					OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)				SADB	Cooling	Heating			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h										
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00					
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00					
Roof Cond	0	332	3.74	0	0.00	0	-792	16.08	Roof Cond	0	0	0.00					
Glass Solar	0	0	0.00	0	0.00	0	0	0.00	Glass Solar	0	0	0.00					
Glass Cond	0	0	0.00	0	0.00	0	0	0.00	Glass Cond	0	0	0.00					
Wall Cond	0	0	0.00	0	0.00	0	0	0.00	Wall Cond	0	0	0.00					
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00					
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00					
Sub Total ==>	0	332	3.74	0	0.00	0	-792	16.08	Sub Total ==>	0	0	0.00					
Internal Loads																	
Lights	1,573	393	22.11	1,573	44.89	0	0	0.00	Lights	0	0	0.00					
People	1,800	0	20.24	1,000	28.54	0	0	0.00	People	0	0	0.00					
Misc	645	0	7.25	645	18.41	0	0	0.00	Misc	0	0	0.00					
Sub Total ==>	4,018	393	49.59	3,218	91.83	0	0	0.00	Sub Total ==>	0	0	0.00					
Ceiling Load																	
	286	-286	0.00	251	7.15	-214	0	0.00		-214	0	0.00					
Ventilation Load	0	0	49.05	0	0.00	0	-3,458	70.20	Ventilation Load	0	0	0.00					
Ov/Undr Sizing	0	0	0.00	36	1.02	0	0	0.00	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat		-212	-2.38				108	-2.20	Exhaust Heat		108	-2.20					
Sup. Fan Heat		0	0.00				-1,254	25.45	OA Preheat Diff.		-1,254	25.45					
Ret. Fan Heat		0	0.00				0	0.00	RA Preheat Diff.		0	0.00					
Duct Heat Pkup		0	0.00				0	0.00	Additional Reheat		0	0.00					
Reheat at Design		0	0.00				470	-9.54	System Plenum Heat		470	-9.54					
Grand Total ==>	4,304	227	100.00	3,504	100.00	-214	-4,925	100.00	Grand Total ==>	-214	-4,925	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F			
Main Clg	0.7	8.9	5.2	182	83.4	69.8	88.7	57.7	54.9	60.1	Floor	378					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0					
Total	0.7	8.9									Roof	378	0	0			
											Wall	0	0	0			

TEMPERATURES					AIRFLOWS					ENGINEERING CKS				
SADB	57.7	73.5			Vent	80	55			% OA	43.9	100.0		
Plenum	77.4	68.2			Infil	0	0			cfm/ft²	0.48	0.14		
Return	77.4	68.2			Supply	182	55			cfm/ton	245.98			
Ret/OA	83.4	13.0			MinStop/Rh	55	55			ft³/ton	509.98			
Fn MtrTD	0.0	0.0			Return	182	55			Btu/hr-ft²	23.53	-13.03		
Fn BldTD	0.0	0.0			Exhaust	80	55			No. People	4			
Fn Frict	0.0	0.0			Rm Exh	0	0							
					Auxil	0	0							

Room Checksums

By ae

304-CAREER SERVICE LIBRARY COMPUTERS

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 21				Mo/Hr: 13 / 1					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 80				OADB: 13					
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads					Envelope Loads			Envelope Loads				SADB		
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	57.7	72.1				
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	77.4	68.2				
Roof Cond	0	985	1.43	0	0.00	Roof Cond	0	4.82	77.4	68.2				
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	91.0	13.0				
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	Fn MtrTD	0.0	0.0			
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	Fn BldTD	0.0	0.0			
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Fn Frict	0.0	0.0			
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00						
<i>Sub Total ==></i>	0	985	1.43	0	0.00	<i>Sub Total ==></i>	0	4.82						
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS		
Lights	2,795	699	5.07	2,795	16.23	Lights	0	0.00	896	269				
People	17,920		26.00	10,976	63.73	People	0	0.00	Infil	0	0			
Misc	1,911	0	2.77	1,911	11.10	Misc	0	0.00	Supply	896	269			
<i>Sub Total ==></i>	22,626	699	33.84	15,682	91.06	<i>Sub Total ==></i>	0	0.00	MinStop/Rh	269	269			
Ceiling Load					Ceiling Load			Ceiling Load				Return		
Ventilation Load	0	0	68.04	0	0.00	Ventilation Load	0	34.89	896	269				
Ov/Undr Sizing	0	0	0.00	796	4.62	Ov/Undr Sizing	0	0.00	Return	896	269			
Exhaust Heat		-2,280	-3.31			Exhaust Heat		-1.09	Exhaust	896	269			
Sup. Fan Heat		0	0.00			OA Preheat Diff.		63.80	Rm Exh	0	0			
Ret. Fan Heat		0	0.00			RA Preheat Diff.		0.00	Auxil	0	0			
Duct Heat PkUp		0	0.00			Additional Reheat		0.00						
Reheat at Design		0	0.00			System Plenum Heat		-2.42						
<i>Grand Total ==></i>	23,475	-1,445	100.00	17,222	100.00	<i>Grand Total ==></i>	-634	100.00						
COOLING COIL SELECTION					AREAS			HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	cfm	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F				
Main Clg	5.7	68.9	30.4	860 91.0 76.9 118.3	57.7 54.2 57.6	Floor	1,120	-4.3	269	57.7	72.1			
Aux Clg	0.0	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	Part	0	0.0	0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	ExFlr	0	-44.4	896	13.0	57.7			
<i>Total</i>	5.7	68.9				Roof	1,120	0.0	0	0.0	0.0			
						Wall	0	0.0	0	0.0	0.0			
								Humidif	0.0	0	0.0			
								Opt Vent	0.0	0	0.0			
								<i>Total</i>	-48.7					

Room Checksums

By ae

304A-LAB RECEPTION

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 21				Mo/Hr: 13 / 1					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 80				OADB: 13					
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total						
+ Lat.	+ Lat	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)						
Btu/h	Btu/h			Btu/h		Btu/h	Btu/h							
Envelope Loads													SADB	
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	57.7	70.2				
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	77.4	68.2				
Roof Cond	0	113	0.16	0	0.00	Roof Cond	0	-268	77.4	68.2				
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	91.0	13.0				
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	0.0	0.0				
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	0.0	0.0				
Partition	0	0	0.00	0	0.00	Partition	0	0.00	0.0	0.0				
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	0.0	0.0				
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	0.0	0.0				
<i>Sub Total ==></i>	0	113	0.16	0	0.00	<i>Sub Total ==></i>	0	-268	0.0	0.0				
Internal Loads													Fn MtrTD	
Lights	175	44	0.32	175	0.71	Lights	0	0.00	0.0	0.0				
People	25,600	0	37.10	15,680	63.73	People	0	0.00	0.0	0.0				
Misc	0	0	0.00	0	0.00	Misc	0	0.00	0.0	0.0				
<i>Sub Total ==></i>	25,775	44	37.42	15,855	64.44	<i>Sub Total ==></i>	0	0.00	0.0	0.0				
Ceiling Load													Fn BldTD	
Ventilation Load	0	0	65.60	0	0.00	Ventilation Load	0	-24,275	35.32	0.0	0.0			
Ov/Undr Sizing	0	0	0.00	8,663	35.21	Ov/Undr Sizing	0	0.00	0.00	0.0	0.0			
Exhaust Heat		-2,200	-3.19			Exhaust Heat		761	-1.11	0.0	0.0			
Sup. Fan Heat		0	0.00			OA Preheat Diff.		-44,388	64.58	0.0	0.0			
Ret. Fan Heat		0	0.00			RA Preheat Diff.		0	0.00	0.0	0.0			
Duct Heat PkUp		0	0.00			Additional Reheat		0	0.00	0.0	0.0			
Reheat at Design		0	0.00			System Plenum Heat		-565	0.82	0.0	0.0			
<i>Grand Total ==></i>	25,872	-2,141	68,993	100.00	24,602	100.00	<i>Grand Total ==></i>	-73	-68,736	100.00	0.0	0.0		

AIRFLOWS												
		Cooling	Heating									
Vent		1,280	384									
Infil		0	0									
Supply		1,280	384									
MinStop/Rh		384	384									
Return		1,280	384									
Exhaust		1,280	384									
Rm Exh		0	0									
Auxil		0	0									

ENGINEERING CKS												
		Cooling	Heating									
% OA		100.0	100.0									
cfm/ft²		10.00	3.00									
cfm/ton		222.63										
ft³/ton		22.26										
Btu/hr-ft²		539.01	-537.00									
No. People		64										

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	°F	°F	gr/lb	°F	°F	gr/lb	ft² (%)	MBh	cfm	°F	°F				
Main Clg	5.8	69.0	28.5	830	91.0	76.9	118.3	57.7	53.2	53.4	Main Htg	-5.3	384	57.7	70.2		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-63.4	1,280	13.0	57.7		
<i>Total</i>	5.8	69.0									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											<i>Total</i>	-68.7					

Room Checksums

By ae

304B-CAREER SERVICE LIBRARY COMPUTERS

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 21				Mo/Hr: 13 / 1					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 80				OADB: 13					
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	SADB	Cooling	Heating			
Envelope Loads														
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00		
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00		
Roof Cond	0	600	2.36	0	0.00	0	-1,429	8.59	Roof Cond	0	0	0.00		
Glass Solar	0	0	0.00	0	0.00	0	0	0.00	Glass Solar	0	0	0.00		
Glass Cond	0	0	0.00	0	0.00	0	0	0.00	Glass Cond	0	0	0.00		
Wall Cond	0	0	0.00	0	0.00	0	0	0.00	Wall Cond	0	0	0.00		
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00		
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00		
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00		
Sub Total ==>	0	600	2.36	0	0.00	0	-1,429	8.59	Sub Total ==>	0	0	0.00		
Internal Loads														
Lights	1,048	262	5.16	1,048	16.18	0	0	0.00	Lights	0	0	0.00		
People	6,750		26.59	3,750	57.88	0	0	0.00	People	0	0	0.00		
Misc	1,164	0	4.58	1,164	17.96	0	0	0.00	Misc	0	0	0.00		
Sub Total ==>	8,962	262	36.33	5,962	92.03	0	0	0.00	Sub Total ==>	0	0	0.00		
Ceiling Load														
	517	-517	0.00	452	6.98	-386	0	0.00	Ceiling Load	-386	0	0.00		
Ventilation Load	0	0	64.44	0	0.00	0	-6,393	38.44	Ventilation Load	0	-6,393	38.44		
Ov/Undr Sizing	0	0	0.00	64	0.99	0	0	0.00	Ov/Undr Sizing	0	0	0.00		
Exhaust Heat		-795	-3.13				200	-1.20	Exhaust Heat		200	-1.20		
Sup. Fan Heat		0	0.00				-9,852	59.24	OA Preheat Diff.		-9,852	59.24		
Ret. Fan Heat		0	0.00				0	0.00	RA Preheat Diff.		0	0.00		
Duct Heat Pkup		0	0.00				0	0.00	Additional Reheat		0	0.00		
Reheat at Design		0	0.00				843	-5.07	System Plenum Heat		843	-5.07		
Grand Total ==>	9,479	-450	25,390	100.00	6,479	100.00	-386	100.00	Grand Total ==>	-386	-16,631	100.00		

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity		Coil Airflow	Ent	Lvg	
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F		
Main Clg	2.1	25.4	11.4	337	89.5	75.6	112.5	57.7	53.9	56.2	Floor	682				Main Htg	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0				Aux Htg	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0				Preheat	
Total	2.1	25.4									Roof	682	0	0		Humidif	
											Wall	0	0	0		Opt Vent	
																Total	

Room Checksums

By ae

305-CAREER SERVICE COMPUTER LAB

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES						
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 21		Mo/Hr: 13 / 1			Cooling			Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 80		OADB: 13			SADB	57.7	70.8	Plenum	77.4	68.2		
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <td>77.4</td> <td>68.2</td> <th>Ret/OA</th> <td>80.1</td> <td>31.8</td>	77.4	68.2	Ret/OA	80.1	31.8			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0	Fn BldTD	0.0	0.0			
Envelope Loads					Envelope Loads					AIRFLOWS							
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Vent	400	400	Infil	0	0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Supply	2,024	607	MinStop/Rh	607	607			
Roof Cond	0	871	1.22	0	0.00	Roof Cond	0	7.23	Return	2,024	607	Exhaust	400	400			
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Rm Exh	0	0	Auxil	0	0			
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	Sub Total ==>	0	-2,075	7.23					
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00									
Partition	0	0	0.00	0	0.00	Partition	0	0.00									
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00									
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00									
Sub Total ==>	0	871	871	1.22	0	0.00	Sub Total ==>	0									
Internal Loads					Internal Loads					ENGINEERING CKS							
Lights	31,464	7,866	39,330	54.90	31,464	80.88	Lights	0	0	0.00	% OA	19.8	65.9				
People	9,000	0	9,000	12.56	5,000	12.85	People	0	0	0.00	cfm/ft²	2.04	0.61				
Misc	1,689	0	1,689	2.36	1,689	4.34	Misc	0	0	0.00	cfm/ton	339.02					
Sub Total ==>	42,153	7,866	50,019	69.82	38,153	98.07	Sub Total ==>	0	0	0.00	ft³/ton	165.82					
Ceiling Load	750	-750	0	0.00	657	1.69	Ceiling Load	-560	0	0.00	Btu/hr-ft²	72.37	-28.97				
Ventilation Load	0	0	21,815	30.45	0	0.00	Ventilation Load	0	-25,286	88.17	No. People	20					
Ov/Undr Sizing	0	0	0	0.00	93	0.24	Ov/Undr Sizing	0	0	0.00							
Exhaust Heat	0	-1,060	-1,060	-1.48	0	0.00	Exhaust Heat	0	793	-2.76							
Sup. Fan Heat	0	0	0	0.00	0	0.00	OA Preheat Diff.	0	0	0.00							
Ret. Fan Heat	0	0	0	0.00	0	0.00	RA Preheat Diff.	-2,423	8.45								
Duct Heat Pkup	0	0	0	0.00	0	0.00	Additional Reheat	0	0	0.00							
Reheat at Design	0	0	0	0.00	0	0.00	System Plenum Heat	311	-1.08								
Grand Total ==>	42,903	6,926	71,645	100.00	38,903	100.00	Grand Total ==>	-561	-28,681	100.00							
COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity		Coil Airflow	Ent	Lvg						
ton	MBh	MBh	cfm °F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F							
Main Clg	6.0	71.6	52.9	2,024	80.1	66.4	76.0	57.7	55.1	61.1	Main Htg	-8.9	607	57.7	70.8		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-19.8	400	13.0	57.7		
Total	6.0	71.6									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-28.7					

Room Checksums

By ae

305A-RECORDS ROOM/STORAGE

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 21					Mo/Hr: 7 / 21					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 80 / 73 / 110					OADB: 80					OADB: 13					SADB	57.7	80.1
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Plenum	77.4	68.2			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	77.4	68.2			
Envelope Loads					Envelope Loads					Envelope Loads					Ret/OA	77.4	68.2
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn MtrTD	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn BldTD	0.0	0.0			
Roof Cond	0	175	34.81	0	0.00	Roof Cond	0	0.00	Roof Cond	-220	166.17	Fn Frict	0.0	0.0			
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Glass Solar	0	0.00						
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	Glass Cond	0	0.00						
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	Wall Cond	0	0.00						
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	Infiltration	0	0.05						
Sub Total ==>	0	175	34.81	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>	-220	166.21						
Internal Loads					Internal Loads					Internal Loads							
Lights	262	66	65.19	262	76.72	Lights	0	0.00	Lights	0	0.00	Vent	0	0			
People	0	0	0.00	0	0.00	People	0	0.00	People	0	0.00	Infil	0	0			
Misc	0	0	0.00	0	0.00	Misc	0	0.00	Misc	0	0.00	Supply	18	5			
Sub Total ==>	262	66	65.19	262	76.72	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	MinStop/Rh	5	5			
												Return	18	5			
Ceiling Load	80	-80	0.00	70	20.39	Ceiling Load	-59	0.00	Ceiling Load	0	0.00	Exhaust	0	0			
Ventilation Load	0	0	0.00	0	0.00	Ventilation Load	0	0.00	Ventilation Load	0	0.00	Rm Exh	0	0			
Ov/Undr Sizing	0	0	0.00	10	2.90	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00	Auxil	0	0			
Exhaust Heat		0	0.00			Exhaust Heat		0.00	Exhaust Heat		0.00						
Sup. Fan Heat			0.00			OA Preheat Diff.		0.00	OA Preheat Diff.		0.00						
Ret. Fan Heat		0	0.00			RA Preheat Diff.		0.00	RA Preheat Diff.		0.00						
Duct Heat Pkup		0	0.00			Additional Reheat		-62 47.08	Additional Reheat		-62 47.08						
Reheat at Design			0.00			System Plenum Heat		150 113.29	System Plenum Heat		150 113.29						
Grand Total ==>	342	161	100.00	342	100.00	Grand Total ==>	-60	100.00	Grand Total ==>	-132	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.0	0.5	18	77.4	63.4	65.5	57.7	53.9	56.4	Floor	105		5	57.7	80.1		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		0.0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0		0	0.0	0.0		
Total	0.0	0.5								Roof	105	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
										Total	-0.1						

Room Checksums

By ae

306-ASSISTANT DIRECTOR 1

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 7 / 17		Mo/Hr: 13 / 1							Cooling		Heating	
Outside Air:		OADB/WB/HR: 89 / 75 / 107			OADB: 89		OADB: 13							SADB	57.7	87.8	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	77.4	68.2			
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00	Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00	Fn BldTD	0.0	0.0		
Roof Cond	0	174	2.42	0	0.00	0	-283	6.94	Roof Cond	0	-283	6.94	Fn Frict	0.0	0.0		
Glass Solar	4,546	0	63.39	4,546	76.99	0	0	0.00	Glass Solar	0	0	0.00					
Glass Cond	382	0	5.33	382	6.47	-1,572	-1,572	38.59	Glass Cond	-1,572	-1,572	38.59					
Wall Cond	45	67	1.55	45	0.76	-174	-474	11.64	Wall Cond	-174	-474	11.64					
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00					
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00					
Sub Total ==>	4,972	240	72.69	4,972	84.21	-1,746	-2,329	57.17	Sub Total ==>	-1,746	-2,329	57.17					
Internal Loads																	
Lights	349	87	6.09	349	5.92	0	0	0.00	Lights	0	0	0.00	Supply	307	92		
People	450	0	6.28	250	4.23	0	0	0.00	People	0	0	0.00	MinStop/Rh	92	92		
Misc	230	0	3.21	230	3.90	0	0	0.00	Misc	0	0	0.00	Return	307	92		
Sub Total ==>	1,030	87	15.58	830	14.05	0	0	0.00	Sub Total ==>	0	0	0.00	Exhaust	20	20		
Ceiling Load																	
Lights	102	-102	0.00	90	1.52	-76	0	0.00	Lights	-76	0	0.00	Rm Exh	0	0		
Ventilation Load	0	0	12.47	0	0.00	0	-1,264	31.04	Ventilation Load	0	-1,264	31.04	Auxil	0	0		
Ov/Undr Sizing	0	0	0.00	13	0.22	0	0	0.00	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat		-53	-0.74				40	-0.97	Exhaust Heat		40	-0.97					
Sup. Fan Heat		0	0.00				0	0.00	OA Preheat Diff.		0	0.00					
Ret. Fan Heat		0	0.00				-844	20.71	RA Preheat Diff.		-844	20.71					
Duct Heat Pkup		0	0.00				0	0.00	Additional Reheat		0	0.00					
Reheat at Design		0	0.00				324	-7.95	System Plenum Heat		324	-7.95					
Grand Total ==>	6,104	172	100.00	5,904	100.00	-1,822	-4,073	100.00	Grand Total ==>	-1,822	-4,073	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total		Glass		Capacity	Coil Airflow	Ent	Lvg					
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb	ft²	ft² (%)	ft² (%)	MBh	cfm	°F	°F						
Main Clg	0.6	7.2	6.4	307	78.2	64.2	68.2	57.7	56.6	67.3	Main Htg	-3.1	92	57.7	87.8		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-1.0	20	13.0	57.7		
Total	0.6	7.2									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-4.1					

Room Checksums

By ae

307-ASSISTANT DIRECTOR 2

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 6 / 18		Mo/Hr: 13 / 1					Cooling Heating			
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 84		OADB: 13					SADB	57.7	93.8	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <td>77.4</td> <td>68.2</td>	77.4	68.2				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA <td>82.4</td> <td>13.0</td>	82.4	13.0				
Envelope Loads					Envelope Loads							Fn MtrTD	0.0	0.0	
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.0	0.0				
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.0	0.0				
Roof Cond	0	119	2.53	0	0.00	Roof Cond	0	-283 8.48							
Glass Solar	698	0	14.85	873	40.33	Glass Solar	0	0.00							
Glass Cond	215	0	4.58	118	5.47	Glass Cond	-786	-786 23.56							
Wall Cond	6	17	0.48	4	0.20	Wall Cond	-30	-146 4.37							
Partition	0	0	0.00	0	0.00	Partition	0	0.00							
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00							
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00							
Sub Total ==>	919	136	1,054	22.45	996	46.00	Sub Total ==>	-816	-1,215	36.40					
Internal Loads					Internal Loads							AIRFLOWS			
Lights	349	87	437	9.30	349	16.14	Lights	0	0	0.00	Vent	40	34		
People	900	0	900	19.16	500	23.09	People	0	0	0.00	Infil	0	0		
Misc	230	0	230	4.90	230	10.64	Misc	0	0	0.00	Supply	113	34		
Sub Total ==>	1,480	87	1,567	33.36	1,080	49.87	Sub Total ==>	0	0	0.00	MinStop/Rh	34	34		
Ceiling Load					Ceiling Load							Return	113	34	
Ventilation Load	0	0	2,182	46.44	0	0.00	Ventilation Load	0	-2,137	64.04	Exhaust	40	34		
Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0	0.00	Rm Exh	0	0		
Exhaust Heat		-106	-106	-2.26			Exhaust Heat		67	-2.01	Auxil	0	0		
Sup. Fan Heat		0	0	0.00			OA Preheat Diff.		-307	9.21					
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		0	0.00					
Duct Heat Pkup		0	0	0.00			Additional Reheat		0	0.00					
Reheat at Design		0	0	0.00			System Plenum Heat		255	-7.64					
Grand Total ==>	2,501	15	4,697	100.00	2,165	100.00	Grand Total ==>	-893	-3,336	100.00	ENGINEERING CKS				
COOLING COIL SELECTION					AREAS				HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass				Capacity	Coil Airflow	Ent	Lvg		
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)				MBh	cfm	°F	°F		
Main Clg	0.4	4.7	2.8	109	82.4	68.8	84.8	57.7	55.5	62.9	Main Htg	-1.4	34	57.7	93.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-2.0	40	13.0	57.7
Total	0.4	4.7									Humidif	0.0	0	0.0	0.0
											Opt Vent	0.0	0	0.0	0.0
											Total	-3.3			

Room Checksums

By ae

308-ADMIN 1

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 6 / 18		Mo/Hr: 13 / 1						Cooling		Heating			
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 84		OADB: 84											
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	SADB	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads				Envelope Loads									
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	57.7	77.4	77.4	80.2	0.0	0.0	0.0
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	96.9	68.2	68.2	31.3	0.0	0.0	0.0
Roof Cond	0	119	3.70	0	0.00	0	-283	12.34	0	0	0.00					0.0	0.0	0.0
Glass Solar	698	0	21.74	873	45.60	0	0	0.00	0	0	0.00					0.0	0.0	0.0
Glass Cond	215	0	6.71	118	6.18	-786	-786	34.29	-786	-786	34.29					0.0	0.0	0.0
Wall Cond	6	17	0.71	4	0.22	-30	-146	6.35	-30	-146	6.35					0.0	0.0	0.0
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00					0.0	0.0	0.0
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00					0.0	0.0	0.0
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00					0.0	0.0	0.0
Sub Total ==>	919	136	32.86	996	52.00	-816	-1,215	52.98	-816	-1,215	52.98							
Internal Loads					Internal Loads				Internal Loads									
Lights	349	87	13.61	349	18.24	0	0	0.00	0	0	0.00							
People	450	0	14.02	250	13.05	0	0	0.00	0	0	0.00							
Misc	230	0	7.18	230	12.03	0	0	0.00	0	0	0.00							
Sub Total ==>	1,030	87	34.81	830	43.33	0	0	0.00	0	0	0.00							
Ceiling Load					Ceiling Load				Ceiling Load									
Ventilation Load	102	-102	0.00	90	4.67	-76	0	0.00	-76	0	0.00							
Ov/Undr Sizing	0	0	33.99	0	0.00	0	-1,264	55.16	0	-1,264	55.16							
Exhaust Heat	0	-53	-1.65	0	0.00	0	0	0.00	0	0	0.00							
Sup. Fan Heat	0	0	0.00	0	0.00	0	40	-1.73	0	40	-1.73							
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Duct Heat Pkup	0	0	0.00	0	0.00	0	-116	5.05	0	-116	5.05							
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Grand Total ==>	2,051	68	100.00	1,915	100.00	-893	-2,292	100.00	-893	-2,292	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg									
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F									
Main Clg	0.3	3.2	2.3	96	80.2	66.6	76.5	57.7	56.0	64.7	Floor	135							
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0							
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0							
Total	0.3	3.2									Roof	135	0	0	Main Htg	-1.3	30	57.7	96.9
											Wall	90	46	52	Aux Htg	0.0	0	0.0	0.0
															Preheat	-1.0	20	13.0	57.7
															Humidif	0.0	0	0.0	0.0
															Opt Vent	0.0	0	0.0	0.0
															Total	-2.3			

Room Checksums

By ae

309-ADMIN 2

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 6 / 18		Mo/Hr: 13 / 1						Cooling		Heating			
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 84		OADB: 84											
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	SADB	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads				Envelope Loads									
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	57.7	77.4	77.4	80.2	0.0	0.0	0.0
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	96.9	68.2	68.2	31.3	0.0	0.0	0.0
Roof Cond	0	119	3.70	0	0.00	0	-283	12.34	0	0	0.00							
Glass Solar	698	0	21.74	873	45.60	0	0	0.00	0	0	0.00							
Glass Cond	215	0	6.71	118	6.18	-786	-786	34.29	-786	-786	34.29							
Wall Cond	6	17	0.71	4	0.22	-30	-146	6.35	-30	-146	6.35							
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Sub Total ==>	919	136	32.86	996	52.00	-816	-1,215	52.98	-816	-1,215	52.98							
Internal Loads					Internal Loads				Internal Loads									
Lights	349	87	13.61	349	18.24	0	0	0.00	0	0	0.00							
People	450	0	14.02	250	13.05	0	0	0.00	0	0	0.00							
Misc	230	0	7.18	230	12.03	0	0	0.00	0	0	0.00							
Sub Total ==>	1,030	87	34.81	830	43.33	0	0	0.00	0	0	0.00							
Ceiling Load					Ceiling Load				Ceiling Load									
Ventilation Load	102	-102	0.00	90	4.67	-76	0	0.00	-76	0	0.00							
Ov/Undr Sizing	0	0	33.99	0	0.00	0	-1,264	55.16	0	-1,264	55.16							
Exhaust Heat	0	-53	-1.65	0	0.00	0	0	0.00	0	0	0.00							
Sup. Fan Heat	0	0	0.00	0	0.00	0	40	-1.73	0	40	-1.73							
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Duct Heat Pkup	0	0	0.00	0	0.00	0	-116	5.05	0	-116	5.05							
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Grand Total ==>	2,051	68	100.00	1,915	100.00	-893	-2,292	100.00	-893	-2,292	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg									
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F									
Main Clg	0.3	3.2	2.3	96	80.2	66.6	76.5	57.7	56.0	64.7	Floor	135							
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0							
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0							
Total	0.3	3.2									Roof	135	0	0	Main Htg	-1.3	30	57.7	96.9
											Wall	90	46	52	Aux Htg	0.0	0	0.0	0.0
														Preheat	-1.0	20	13.0	57.7	
														Humidif	0.0	0	0.0	0.0	
														Opt Vent	0.0	0	0.0	0.0	
														Total	-2.3				

Room Checksums

By ae

310-ADMIN 3

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 6 / 18		Mo/Hr: 13 / 1						Cooling		Heating			
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 84		OADB: 84											
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	SADB	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads				Envelope Loads									
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	57.7	77.4	77.4	80.2	0.0	0.0	0.0
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	96.9	68.2	68.2	31.3	0.0	0.0	0.0
Roof Cond	0	119	3.70	0	0.00	0	-283	12.34	0	0	0.00							
Glass Solar	698	0	21.74	873	45.60	0	0	0.00	0	0	0.00							
Glass Cond	215	0	6.71	118	6.18	-786	-786	34.29	-786	-786	34.29							
Wall Cond	6	17	0.71	4	0.22	-30	-146	6.35	-30	-146	6.35							
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Sub Total ==>	919	136	32.86	996	52.00	-816	-1,215	52.98	-816	-1,215	52.98							
Internal Loads					Internal Loads				Internal Loads									
Lights	349	87	13.61	349	18.24	0	0	0.00	0	0	0.00							
People	450	0	14.02	250	13.05	0	0	0.00	0	0	0.00							
Misc	230	0	7.18	230	12.03	0	0	0.00	0	0	0.00							
Sub Total ==>	1,030	87	34.81	830	43.33	0	0	0.00	0	0	0.00							
Ceiling Load					Ceiling Load				Ceiling Load									
Ventilation Load	102	-102	0.00	90	4.67	-76	0	0.00	-76	0	0.00							
Ov/Undr Sizing	0	0	33.99	0	0.00	0	-1,264	55.16	0	-1,264	55.16							
Exhaust Heat	0	-53	-1.65	0	0.00	0	0	0.00	0	0	0.00							
Sup. Fan Heat	0	0	0.00	0	0.00	0	40	-1.73	0	40	-1.73							
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Duct Heat Pkup	0	0	0.00	0	0.00	0	-116	5.05	0	-116	5.05							
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Grand Total ==>	2,051	68	100.00	1,915	100.00	-893	-2,292	100.00	-893	-2,292	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg									
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F									
Main Clg	0.3	3.2	2.3	96	80.2	66.6	76.5	57.7	56.0	64.7	Floor	135							
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0							
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0							
Total	0.3	3.2									Roof	135	0	0					
											Wall	90	46	52	Main Htg	-1.3	30	57.7	96.9
														Aux Htg	0.0	0	0.0	0.0	
														Preheat	-1.0	20	13.0	57.7	
														Humidif	0.0	0	0.0	0.0	
														Opt Vent	0.0	0	0.0	0.0	
														Total	-2.3				

Room Checksums

By ae

311-ADMIN 4

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 6 / 18		Mo/Hr: 13 / 1			Cooling		Heating							
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 84		OADB: 13												
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	SADB	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)								
Envelope Loads					Envelope Loads					Envelope Loads									
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00								
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00								
Roof Cond	0	119	3.70	0	0.00	Roof Cond	0	-283	Roof Cond	0	12.34								
Glass Solar	698	0	21.74	873	45.60	Glass Solar	0	0.00	Glass Solar	0	0.00								
Glass Cond	215	0	6.71	118	6.18	Glass Cond	-786	34.29	Glass Cond	-786	34.29								
Wall Cond	6	17	0.71	4	0.22	Wall Cond	-30	6.35	Wall Cond	-146	6.35								
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	Infiltration	0	0.00								
Sub Total ==>	919	136	32.86	996	52.00	Sub Total ==>	-816	52.98	Sub Total ==>	-1,215	52.98								
Internal Loads					Internal Loads					Internal Loads									
Lights	349	87	13.61	349	18.24	Lights	0	0.00	Lights	0	0.00								
People	450	0	14.02	250	13.05	People	0	0.00	People	0	0.00								
Misc	230	0	7.18	230	12.03	Misc	0	0.00	Misc	0	0.00								
Sub Total ==>	1,030	87	34.81	830	43.33	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00								
Ceiling Load					Ceiling Load					Ceiling Load									
Ventilation Load	102	-102	0.00	90	4.67	Ventilation Load	-76	0.00	Ventilation Load	0	0.00								
Ov/Undr Sizing	0	0	33.99	0	0.00	Ov/Undr Sizing	0	55.16	Ov/Undr Sizing	-1,264	55.16								
Exhaust Heat	0	-53	0.00	0	0.00	Exhaust Heat	0	0.00	Exhaust Heat	40	-1.73								
Sup. Fan Heat	0	0	-1.65	0	0.00	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00								
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	-116	5.05	RA Preheat Diff.	-116	5.05								
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	0	0.00	Additional Reheat	0	0.00								
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	263	-11.46	System Plenum Heat	263	-11.46								
Grand Total ==>	2,051	68	100.00	1,915	100.00	Grand Total ==>	-893	100.00	Grand Total ==>	-2,292	100.00								

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg									
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F									
Main Clg	0.3	3.2	2.3	96	80.2	66.6	76.5	57.7	56.0	64.7	Floor	135							
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0							
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0							
Total	0.3	3.2									Roof	135	0	0					
											Wall	90	46	52	Main Htg	-1.3	30	57.7	96.9
														Aux Htg	0.0	0	0.0	0.0	
														Preheat	-1.0	20	13.0	57.7	
														Humidif	0.0	0	0.0	0.0	
														Opt Vent	0.0	0	0.0	0.0	
														Total	-2.3				

Room Checksums

By ae

312-ADMIN 5

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 6 / 18		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 84		OADB: 13			SADB		96.9					
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Return					
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA					
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	0	0	0.00	Fn MtrTD	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	0	0	0.00	Fn BldTD	0.0	0.0			
Roof Cond	0	119	3.70	0	0.00	Roof Cond	0	-283	12.34	0	0.00	Fn Frict	0.0	0.0			
Glass Solar	698	0	21.74	873	45.60	Glass Solar	0	0	0.00	0	0.00						
Glass Cond	215	0	6.71	118	6.18	Glass Cond	-786	-786	34.29	0	0.00						
Wall Cond	6	17	0.71	4	0.22	Wall Cond	-30	-146	6.35	0	0.00						
Partition	0	0	0.00	0	0.00	Partition	0	0	0.00	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00	0	0.00						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0	0.00	0	0.00						
Sub Total ==>	919	136	32.86	996	52.00	Sub Total ==>	-816	-1,215	52.98								
Internal Loads																	
Lights	349	87	13.61	349	18.24	Lights	0	0.00	0	0	0.00						
People	450	0	14.02	250	13.05	People	0	0.00	0	0	0.00						
Misc	230	0	7.18	230	12.03	Misc	0	0.00	0	0	0.00						
Sub Total ==>	1,030	87	34.81	830	43.33	Sub Total ==>	0	0	0.00								
Ceiling Load																	
Lights	102	-102	0.00	90	4.67	Lights	-76	0	0.00								
Ventilation Load	0	0	33.99	0	0.00	Ventilation Load	0	-1,264	55.16								
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0	0.00								
Exhaust Heat		-53	-1.65			Exhaust Heat		40	-1.73								
Sup. Fan Heat		0	0.00			OA Preheat Diff.		0	0.00								
Ret. Fan Heat		0	0.00			RA Preheat Diff.		-116	5.05								
Duct Heat Pkup		0	0.00			Additional Reheat		0	0.00								
Reheat at Design		0	0.00			System Plenum Heat		263	-11.46								
Grand Total ==>	2,051	68	100.00	1,915	100.00	Grand Total ==>	-893	-2,292	100.00								

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg							
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F							
Main Clg	0.3	3.2	2.3	96	80.2	66.6	76.5	57.7	56.0	64.7	Main Htg	-1.3	30	57.7	96.9		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-1.0	20	13.0	57.7		
Total	0.3	3.2									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-2.3					

Room Checksums

By ae

313-ADMIN 6

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 6 / 18		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 84		OADB: 13			SADB		96.9					
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)		0.0	0.0	0.0		
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00	0.0	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00	0.0	0.0	0.0		
Roof Cond	0	119	3.70	0	0.00	0	-283	12.34	Roof Cond	0	-283	12.34	0.0	0.0	0.0		
Glass Solar	698	0	21.74	873	45.60	0	0	0.00	Glass Solar	0	0	0.00	0.0	0.0	0.0		
Glass Cond	215	0	6.71	118	6.18	-786	-786	34.29	Glass Cond	-786	-786	34.29	0.0	0.0	0.0		
Wall Cond	6	17	0.71	4	0.22	-30	-146	6.35	Wall Cond	-30	-146	6.35	0.0	0.0	0.0		
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00	0.0	0.0	0.0		
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00	0.0	0.0	0.0		
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00	0.0	0.0	0.0		
Sub Total ==>	919	136	32.86	996	52.00	-816	-1,215	52.98	Sub Total ==>	-816	-1,215	52.98					
Internal Loads																	
Lights	349	87	13.61	349	18.24	0	0	0.00	Lights	0	0	0.00					
People	450	0	14.02	250	13.05	0	0	0.00	People	0	0	0.00					
Misc	230	0	7.18	230	12.03	0	0	0.00	Misc	0	0	0.00					
Sub Total ==>	1,030	87	34.81	830	43.33	0	0	0.00	Sub Total ==>	0	0	0.00					
Ceiling Load																	
Lighting	102	-102	0.00	90	4.67	-76	0	0.00	Ceiling Load	-76	0	0.00					
Ventilation Load	0	0	33.99	0	0.00	0	-1,264	55.16	Ventilation Load	0	-1,264	55.16					
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat		-53	-1.65				40	-1.73	Exhaust Heat		40	-1.73					
Sup. Fan Heat		0	0.00				0	0.00	OA Preheat Diff.		0	0.00					
Ret. Fan Heat		0	0.00				-116	5.05	RA Preheat Diff.		-116	5.05					
Duct Heat Pkup		0	0.00				0	0.00	Additional Reheat		0	0.00					
Reheat at Design		0	0.00				263	-11.46	System Plenum Heat		263	-11.46					
Grand Total ==>	2,051	68	100.00	1,915	100.00	-893	-2,292	100.00	Grand Total ==>	-893	-2,292	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	°F	°F	gr/lb	°F	°F	gr/lb	ft²	ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.3	3.2	2.3	96	80.2	66.6	76.5	57.7	56.0	64.7	Floor	-1.3	30	57.7	96.9		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	-1.0	20	13.0	57.7		
Total	0.3	3.2									Roof	0.0	0	0.0	0.0		
											Wall	0.0	0	0.0	0.0		
											Total	-2.3					

Room Checksums

By ae

315-ASSISTANT DIRECTOR 3

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 6 / 18		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 84		OADB: 13			SADB		93.8					
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <th colspan="2"></th>					
+ Lat.	+ Lat.	Btu/h	(%)	Btu/h	(%)	Space Sens	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA <th colspan="2"></th>					
Btu/h	Btu/h											Fn MtrTD					
												Fn BldTD					
												Fn Frict					
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0					
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0					
Roof Cond	0	119	2.53	0	0.00	0	-283	8.48	0	0	0.00	0.0					
Glass Solar	698	0	14.85	873	40.33	0	0	0.00	0	0	0.00	0.0					
Glass Cond	215	0	4.58	118	5.47	-786	-786	23.56	0	0	0.00	0.0					
Wall Cond	6	17	0.48	4	0.20	-30	-146	4.37	0	0	0.00	0.0					
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0					
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0					
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0					
Sub Total ==>	919	136	22.45	996	46.00	-816	-1,215	36.40									
Internal Loads																	
Lights	349	87	9.30	349	16.14	0	0	0.00	0	0	0.00	113					
People	900	0	19.16	500	23.09	0	0	0.00	0	0	0.00	34					
Misc	230	0	4.90	230	10.64	0	0	0.00	0	0	0.00	113					
Sub Total ==>	1,480	87	33.36	1,080	49.87	0	0	0.00				40					
Ceiling Load																	
Lights	102	-102	0.00	90	4.13	-76	0	0.00	0	0	0.00	34					
Ventilation Load	0	0	46.44	0	0.00	0	-2,137	64.04	0	0	0.00	0					
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0					
Exhaust Heat		-106	-2.26				67	-2.01				0					
Sup. Fan Heat		0	0.00				-307	9.21				0					
Ret. Fan Heat		0	0.00				0	0.00				0					
Duct Heat Pkup		0	0.00				0	0.00				0					
Reheat at Design		0	0.00				255	-7.64				0					
Grand Total ==>	2,501	15	100.00	2,165	100.00	-893	-3,336	100.00									

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.4	4.7	2.8	109	82.4	68.8	84.8	57.7	55.5	62.9	Floor	135	-1.4	34	57.7	93.8	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	-2.0	40	13.0	57.7	
Total	0.4	4.7									Roof	135	0.0	0	0.0	0.0	
											Wall	90	0.0	0	0.0	0.0	
											Total	-3.3					

Room Checksums

By ae

316-RECORDS ROOM / STORAGE

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 21			Mo/Hr: 7 / 21		Mo/Hr: 13 / 1						Cooling		Heating			
Outside Air:		OADB/WB/HR: 80 / 73 / 110			OADB: 80		OADB: 80											
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	SADB	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads				Envelope Loads									
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	57.7	77.4	77.4	77.4	0.0	0.0	0.0
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	77.4	68.2	68.2	68.2	0.0	0.0	0.0
Roof Cond	0	220	25.12	0	0.00	0	-277	132.94	0	0	0.00	77.4	68.2	68.2	68.2	0.0	0.0	0.0
Glass Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glass Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wall Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Infiltration	0	0	0.00	0	0.00	0	0	0.03	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sub Total ==>	0	220	25.12	0	0.00	0	-277	132.97	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Internal Loads					Internal Loads				Internal Loads									
Lights	524	131	74.88	524	83.99	0	0	0.00	0	0	0.00	32	10	10	10	0	0	0
People	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	10	10	10	10	0	0	0
Misc	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	32	10	10	10	0	0	0
Sub Total ==>	524	131	74.88	524	83.99	0	0	0.00	0	0	0.00	0	0	0	0	0	0	0
Ceiling Load	100	-100	0.00	88	14.02	0	0	0.00	-75	0	0.00	0	0	0	0	0	0	0
Ventilation Load	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0	0	0	0	0
Ov/Undr Sizing	0	0	0.00	12	1.99	0	0	0.00	0	0	0.00	0	0	0	0	0	0	0
Exhaust Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0	0	0	0	0
Sup. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0	0	0	0	0
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0	0	0	0	0
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0	0	0	0	0
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0	0	0	0	0
Grand Total ==>	624	251	100.00	624	100.00	-75	-208	100.00	-75	-208	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.1	0.9	32	77.4	63.4	65.5	57.7	54.4	58.3	Floor	132	-0.2	10	57.7	76.9		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.1	0.9								Roof	132	0.0	0	0.0	0.0		
										Wall	0	0.0	0	0.0	0.0		
										Total		-0.2					

AIRFLOWS			ENGINEERING CKS		
	Cooling	Heating		Cooling	Heating
Vent	0	0	% OA	0.0	0.0
Infil	0	0	cfm/ft²	0.25	0.07
Supply	32	10	cfm/ton	445.33	
MinStop/Rh	10	10	ft³/ton	1,809.52	
Return	32	10	Btu/hr-ft²	6.63	-1.58
Exhaust	0	0	No. People	0	
Rm Exh	0	0			
Auxil	0	0			

Room Checksums

By ae

317-ADMIN 8

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 6 / 18		Mo/Hr: 13 / 1				Cooling		Heating					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 84		OADB: 84				OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	SADB	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads				Envelope Loads									
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	57.7	77.4	77.4	80.2	0.0	0.0	0.0
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	96.9	68.2	68.2	31.3	0.0	0.0	0.0
Roof Cond	0	119	3.70	0	0.00	0	-283	12.34	0	0	0.00					0.0	0.0	0.0
Glass Solar	698	0	21.74	873	45.60	0	0	0.00	0	0	0.00					0.0	0.0	0.0
Glass Cond	215	0	6.71	118	6.18	-786	-786	34.29	-786	-786	34.29					0.0	0.0	0.0
Wall Cond	6	17	0.71	4	0.22	-30	-146	6.35	-30	-146	6.35					0.0	0.0	0.0
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00					0.0	0.0	0.0
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00					0.0	0.0	0.0
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00					0.0	0.0	0.0
Sub Total ==>	919	136	32.86	996	52.00	-816	-1,215	52.98	-816	-1,215	52.98							
Internal Loads					Internal Loads				Internal Loads									
Lights	349	87	13.61	349	18.24	0	0	0.00	0	0	0.00							
People	450	0	14.02	250	13.05	0	0	0.00	0	0	0.00							
Misc	230	0	7.18	230	12.03	0	0	0.00	0	0	0.00							
Sub Total ==>	1,030	87	34.81	830	43.33	0	0	0.00	0	0	0.00							
Ceiling Load					Ceiling Load				Ceiling Load									
Ventilation Load	102	-102	0.00	90	4.67	-76	0	0.00	-76	0	0.00							
Ov/Undr Sizing	0	0	33.99	0	0.00	0	-1,264	55.16	0	-1,264	55.16							
Exhaust Heat	0	-53	-1.65	0	0.00	0	0	0.00	0	0	0.00							
Sup. Fan Heat	0	0	0.00	0	0.00	0	40	-1.73	0	40	-1.73							
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Duct Heat Pkup	0	0	0.00	0	0.00	0	-116	5.05	0	-116	5.05							
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Grand Total ==>	2,051	68	100.00	1,915	100.00	-893	-2,292	100.00	-893	-2,292	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg									
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F									
Main Clg	0.3	3.2	2.3	96	80.2	66.6	76.5	57.7	56.0	64.7	Floor	135	0	0	Main Htg	-1.3	30	57.7	96.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0	0	Preheat	-1.0	20	13.0	57.7
Total	0.3	3.2									Roof	135	0	0	Humidif	0.0	0	0.0	0.0
											Wall	90	46	52	Opt Vent	0.0	0	0.0	0.0
											Total				Total	-2.3			

Room Checksums

By ae

319- ASSISTANT DIRECTOR 4

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 6 / 18		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 84		OADB: 13			SADB		93.8					
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="3"></td> </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="3"></td> </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="3"></td> </th></th>	Fn BldTD <th>Fn Frict <td colspan="3"></td> </th>	Fn Frict <td colspan="3"></td>				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)									
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00			0.0	0.0	0.0				
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00			0.0	0.0	0.0				
Roof Cond	0	119	2.53	0	0.00	Roof Cond	0	-283	8.48		0.0	0.0	0.0				
Glass Solar	698	0	14.85	873	40.33	Glass Solar	0	0	0.00		0.0	0.0	0.0				
Glass Cond	215	0	4.58	118	5.47	Glass Cond	-786	-786	23.56		0.0	0.0	0.0				
Wall Cond	6	17	0.48	4	0.20	Wall Cond	-30	-146	4.37		0.0	0.0	0.0				
Partition	0	0	0.00	0	0.00	Partition	0	0	0.00		0.0	0.0	0.0				
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00		0.0	0.0	0.0				
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0	0.00		0.0	0.0	0.0				
Sub Total ==>	919	136	22.45	996	46.00	Sub Total ==>	-816	-1,215	36.40								
Internal Loads																	
Lights	349	87	9.30	349	16.14	Lights	0	0	0.00								
People	900	0	19.16	500	23.09	People	0	0	0.00								
Misc	230	0	4.90	230	10.64	Misc	0	0	0.00								
Sub Total ==>	1,480	87	33.36	1,080	49.87	Sub Total ==>	0	0	0.00								
Ceiling Load																	
Lights	102	-102	0.00	90	4.13	Lights	-76	0	0.00								
Ventilation Load	0	0	46.44	0	0.00	Ventilation Load	0	-2,137	64.04								
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0	0.00								
Exhaust Heat		-106	-2.26			Exhaust Heat		67	-2.01								
Sup. Fan Heat		0	0.00			OA Preheat Diff.		-307	9.21								
Ret. Fan Heat		0	0.00			RA Preheat Diff.		0	0.00								
Duct Heat Pkup		0	0.00			Additional Reheat		0	0.00								
Reheat at Design		0	0.00			System Plenum Heat		255	-7.64								
Grand Total ==>	2,501	15	4,697	100.00	2,165	100.00	Grand Total ==>	-893	-3,336	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	°F	°F	gr/lb	°F	°F	gr/lb	ft²	ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.4	4.7	2.8	109	82.4	68.8	84.8	57.7	55.5	62.9	Floor	135	-1.4	34	57.7	93.8	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	-2.0	40	13.0	57.7	
Total	0.4	4.7									Roof	135	0.0	0	0.0	0.0	
											Wall	90	46	52	0.0	0.0	
											Total	-3.3					

Room Checksums

By ae

320-ASSISTANT DIRECTOR 5

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 9			Mo/Hr: 7 / 9		Mo/Hr: 13 / 1							Cooling		Heating	
Outside Air:		OADB/WB/HR: 78 / 72 / 107			OADB: 78		OADB: 13							SADB	57.7	87.9	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	77.5	43.9			
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	Fn MtrTD	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	Fn BldTD	0.0	0.0			
Roof Cond	0	42	0.56	0	0.00	0	-283	5.63	0	0	0.00	Fn Frict	0.0	0.0			
Glass Solar	4,501	0	60.06	4,501	77.49	0	0	0.00	0	0	0.00						
Glass Cond	83	0	1.11	83	1.43	-1,572	-1,572	31.28	0	0	0.00						
Wall Cond	42	68	1.46	42	0.72	-155	-444	8.83	0	0	0.00						
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Sub Total ==>	4,626	110	63.20	4,626	79.65	-1,727	-2,298	45.74									
Internal Loads																	
Lights	349	87	5.83	349	6.02	0	0	0.00	0	0	0.00						
People	900	0	12.01	500	8.61	0	0	0.00	0	0	0.00						
Misc	230	0	3.07	230	3.97	0	0	0.00	0	0	0.00						
Sub Total ==>	1,480	87	20.91	1,080	18.59	0	0	0.00									
Ceiling Load																	
Lights	102	-102	0.00	90	1.54	-76	0	0.00	0	0	0.00						
Ventilation Load	0	0	17.30	0	0.00	0	-2,529	50.33	0	0	0.00						
Ov/Undr Sizing	0	0	0.00	13	0.22	0	0	0.00	0	0	0.00						
Exhaust Heat		-106	-1.42				79	-1.58									
Sup. Fan Heat		0	0.00				0	0.00									
Ret. Fan Heat		0	0.00				-592	11.79									
Duct Heat PkUp		0	0.00				0	0.00									
Reheat at Design		0	0.00				315	-6.28									
Grand Total ==>	6,208	-11	100.00	5,808	100.00	-1,803	-5,025	100.00									

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total		Glass	Capacity		Coil Airflow	Ent	Lvg					
ton	MBh	cfm	°F °F gr/lb	°F °F gr/lb	ft²	ft²	(%)	MBh	cfm	°F	°F						
Main Clg	0.6	7.5	5.9	302	77.5 64.6 71.0	57.7 56.6 67.0	135		-3.0	91	57.7	87.9					
Aux Clg	0.0	0.0	0.0	0	0.0 0.0 0.0	0.0 0.0 0.0	0		0.0	0	0.0	0.0					
Opt Vent	0.0	0.0	0.0	0	0.0 0.0 0.0	0.0 0.0 0.0	0		-2.0	40	13.0	57.7					
Total	0.6	7.5					135	0	0.0	0	0.0	0.0					
							225	93	0	0	0.0	0.0					
									-5.0								

Room Checksums

By ae

321-ADMIN 10

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 21			Mo/Hr: 7 / 21		Mo/Hr: 13 / 1						Cooling			Heating		
Outside Air:		OADB/WB/HR: 80 / 73 / 110			OADB: 80		OADB: 13						SADB	57.7	76.3	Plenum	77.4	68.2
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2	Ret/OA	77.6	58.2	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0	Fn BldTD	0.0	0.0	
Envelope Loads					Envelope Loads					Envelope Loads					AIRFLOWS			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Vent	20	20	ENGINEERING CKS			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Infil	0	0	% OA	5.4	18.1	
Roof Cond	0	2,249	22.36	0	0.00	Roof Cond	0	0.00	Roof Cond	0	0.00	Supply	368	110	cfm/ft²	0.27	0.08	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Glass Solar	0	0.00	MinStop/Rh	110	110	cfm/ton	439.00		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	Glass Cond	0	0.00	Return	368	110	ft³/ton	1,611.02		
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	Wall Cond	0	0.00	Exhaust	20	20	Btu/hr-ft²	7.45	-2.42	
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00	Rm Exh	0	0	No. People	1		
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00	Auxil	0	0				
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	Infiltration	0	0.00							
Sub Total ==>	0	2,249	22.36	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00							
Internal Loads					Internal Loads					Internal Loads								
Lights	3,494	874	43.44	3,494	49.42	Lights	0	0.00	Lights	0	0.00							
People	450	450	4.48	250	3.54	People	0	0.00	People	0	0.00							
Misc	2,304	0	22.91	2,304	32.58	Misc	0	0.00	Misc	0	0.00							
Sub Total ==>	6,248	874	70.82	6,048	85.54	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00							
Ceiling Load					Ceiling Load					Ceiling Load								
Ventilation Load	1,022	-1,022	0.00	895	12.66	Ventilation Load	-764	0.00	Ventilation Load	0	0.00							
Ov/Undr Sizing	0	0	7.34	0	0.00	Ov/Undr Sizing	0	38.73	Ov/Undr Sizing	-1,264	0.00							
Exhaust Heat	0	-53	-0.53	127	1.80	Exhaust Heat	0	-1.21	Exhaust Heat	0	0.00							
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00							
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	-1,057	32.37	RA Preheat Diff.	-1,057	32.37							
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	0	0.00	Additional Reheat	0	0.00							
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	1,846	-56.55	System Plenum Heat	1,846	-56.55							
Grand Total ==>	7,271	2,047	10,056	100.00	7,071	100.00	Grand Total ==>	-764	-3,264	100.00								

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg									
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F									
Main Clg	0.8	10.1	9.2	368	77.6	64.0	68.0	57.7	54.9	60.4	Floor	1,350			Main Htg	-2.3	110	57.7	76.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0			Preheat	-1.0	20	13.0	57.7
Total	0.8	10.1									Roof	1,350	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	0	Opt Vent	0.0	0	0.0	0.0
											Total	-3.3							

Room Checksums

By ae

322-ADMIN 11

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 21					Mo/Hr: 7 / 21			Mo/Hr: 13 / 1			Cooling Heating		
Outside Air: OADB/WB/HR: 80 / 73 / 110					OADB: 80			OADB: 13			SADB	57.7	76.3
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)	Return	77.4	68.2		
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Ret/OA	77.6	58.2		
Envelope Loads													
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn BldTD	0.0	0.0		
Roof Cond	0	2,249	22.36	0	0.00	Roof Cond	0	-2,829	86.66	Fn Frict	0.0	0.0	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00					
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00					
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00					
Partition	0	0	0.00	0	0.00	Partition	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00					
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00					
Sub Total ==>	0	2,249	22.36	0	0.00	Sub Total ==>	0	-2,829	86.66				
Internal Loads													
Lights	3,494	874	43.44	3,494	49.42	Lights	0	0.00					
People	450	450	4.48	250	3.54	People	0	0.00					
Misc	2,304	0	22.91	2,304	32.58	Misc	0	0.00					
Sub Total ==>	6,248	874	70.82	6,048	85.54	Sub Total ==>	0	0.00					
Ceiling Load													
Ventilation Load	1,022	-1,022	0.00	895	12.66	Ceiling Load	-764	0.00					
Ov/Undr Sizing	0	0	7.34	0	0.00	Ventilation Load	0	-1,264	38.73				
Exhaust Heat	0	-53	-0.53	127	1.80	Ov/Undr Sizing	0	0.00					
Sup. Fan Heat	0	0	0.00			Exhaust Heat	0	40	-1.21				
Ret. Fan Heat	0	0	0.00			OA Preheat Diff.	0	0.00					
Duct Heat Pkup	0	0	0.00			RA Preheat Diff.	-1,057	32.37					
Reheat at Design	0	0	0.00			Additional Reheat	0	0.00					
Grand Total ==>	7,271	2,047	100.00	7,071	100.00	Grand Total ==>	-764	-3,264	100.00				

AIRFLOWS												
Cooling Heating												
Vent	20	20										
Infil	0	0										
Supply	368	110										
MinStop/Rh	110	110										
Return	368	110										
Exhaust	20	20										
Rm Exh	0	0										
Auxil	0	0										

ENGINEERING CKS												
Cooling Heating												
% OA	5.4	18.1										
cfm/ft²	0.27	0.08										
cfm/ton	439.00											
ft²/ton	1,611.02											
Btu/hr-ft²	7.45	-2.42										
No. People	1											

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	°F	°F	gr/lb	°F	°F	gr/lb	ft² (%)	MBh	cfm	°F	°F				
Main Clg	0.8	10.1	9.2	368	77.6	64.0	68.0	57.7	54.9	60.4	Main Htg	-2.3	110	57.7	76.3		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-1.0	20	13.0	57.7		
Total	0.8	10.1									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-3.3					

Room Checksums

By ae

323-ADMIN 12

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 21			Mo/Hr: 7 / 21		Mo/Hr: 13 / 1			Cooling Heating			
Outside Air:		OADB/WB/HR: 80 / 73 / 110			OADB: 80		OADB: 13			SADB	57.7	76.3	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	77.6	58.2		
Envelope Loads													
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn BldTD	0.0	0.0		
Roof Cond	0	2,249	22.36	0	0.00	Roof Cond	0	-2,829	86.66	Fn Frict	0.0	0.0	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00					
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00					
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00					
Partition	0	0	0.00	0	0.00	Partition	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00					
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00					
Sub Total ==>	0	2,249	22.36	0	0.00	Sub Total ==>	0	-2,829	86.66				
Internal Loads													
Lights	3,494	874	4,368	43.44	3,494	49.42	Lights	0	0.00				
People	450		450	4.48	250	3.54	People	0	0.00				
Misc	2,304	0	2,304	22.91	2,304	32.58	Misc	0	0.00				
Sub Total ==>	6,248	874	7,122	70.82	6,048	85.54	Sub Total ==>	0	0.00				
Ceiling Load													
Ventilation Load	1,022	-1,022	0	0.00	895	12.66	Ceiling Load	-764	0.00				
Ov/Undr Sizing	0	0	738	7.34	0	0.00	Ventilation Load	0	-1,264	38.73			
Exhaust Heat		-53	-53	-0.53	127	1.80	Ov/Undr Sizing	0	0.00				
Sup. Fan Heat			0	0.00			Exhaust Heat		40	-1.21			
Ret. Fan Heat		0	0	0.00			OA Preheat Diff.		0	0.00			
Duct Heat Pkup		0	0	0.00			RA Preheat Diff.		-1,057	32.37			
Reheat at Design			0	0.00			Additional Reheat		0	0.00			
Grand Total ==>	7,271	2,047	10,056	100.00	7,071	100.00	Grand Total ==>	-764	-3,264	100.00			

AIRFLOWS												
		Cooling	Heating									
Vent		20	20									
Infil		0	0									
Supply		368	110									
MinStop/Rh		110	110									
Return		368	110									
Exhaust		20	20									
Rm Exh		0	0									
Auxil		0	0									

ENGINEERING CKS												
		Cooling	Heating									
% OA		5.4	18.1									
cfm/ft²		0.27	0.08									
cfm/ton		439.00										
ft³/ton		1,611.02										
Btu/hr-ft²		7.45	-2.42									
No. People		1										

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg							
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F							
Main Clg	0.8	10.1	9.2	368	77.6	64.0	68.0	57.7	54.9	60.4	Main Htg	-2.3	110	57.7	76.3		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-1.0	20	13.0	57.7		
Total	0.8	10.1									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-3.3					

Room Checksums

By ae

325-ADMIN 14

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 21			Mo/Hr: 7 / 21		Mo/Hr: 13 / 1			Cooling			Heating			
Outside Air:		OADB/WB/HR: 80 / 73 / 110			OADB: 80		OADB: 13			SADB	57.7	76.3	Plenum	77.4	68.2	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2	Ret/OA	77.6	58.2		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0	Fn BldTD	0.0	0.0		
Envelope Loads					Envelope Loads					AIRFLOWS						
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Vent	20	20	Infil	0	0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Supply	368	110	MinStop/Rh	110	110		
Roof Cond	0	2,249	22.36	0	0.00	Roof Cond	0	-2,829	86.66	Return	368	110	Exhaust	20	20	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0	0.00	Rm Exh	0	0	Auxil	0	0	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0	0.00							
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0	0.00							
Partition	0	0	0.00	0	0.00	Partition	0	0	0.00							
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00							
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0	0.00							
Sub Total ==>	0	2,249	22.36	0	0.00	Sub Total ==>	0	-2,829	86.66							
Internal Loads					Internal Loads					ENGINEERING CKS						
Lights	3,494	874	43.44	3,494	49.42	Lights	0	0	0.00	% OA	5.4	18.1	cfm/ft²	0.27	0.08	
People	450	450	4.48	250	3.54	People	0	0	0.00	cfm/ton	439.00		ft²/ton	1,611.02		
Misc	2,304	0	22.91	2,304	32.58	Misc	0	0	0.00	Btu/hr-ft²	7.45	-2.42	No. People	1		
Sub Total ==>	6,248	874	70.82	6,048	85.54	Sub Total ==>	0	0	0.00							
Ceiling Load					Ceiling Load											
Ventilation Load	1,022	-1,022	0	895	12.66	Ventilation Load	-764	0	0.00							
Ov/Undr Sizing	0	0	738	7.34	0	0.00	Ov/Undr Sizing	-1,264	38.73							
Exhaust Heat	0	0	0	127	1.80	Exhaust Heat	0	0	0.00							
Sup. Fan Heat	0	-53	-53	0	0.00	OA Preheat Diff.	40	-1.21								
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00								
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	-1,057	32.37								
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	1,846	-56.55								
Grand Total ==>	7,271	2,047	10,056	100.00	7,071	100.00	Grand Total ==>	-764	-3,264	100.00						
COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg						
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F						
Main Clg	0.8	10.1	9.2	368	77.6	64.0	68.0	57.7	54.9	60.4	Main Htg	-2.3	110	57.7	76.3	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-1.0	20	13.0	57.7	
Total	0.8	10.1									Humidif	0.0	0	0.0	0.0	
											Opt Vent	0.0	0	0.0	0.0	
											Total	-3.3				

Room Checksums

By ae

326-ADMIN 15

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 21			Mo/Hr: 7 / 21		Mo/Hr: 13 / 1			Cooling Heating			
Outside Air:		OADB/WB/HR: 80 / 73 / 110			OADB: 80		OADB: 13			SADB	57.7	76.3	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	77.6	58.2		
Envelope Loads													
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn BldTD	0.0	0.0		
Roof Cond	0	2,249	22.36	0	0.00	Roof Cond	0	-2,829	86.66	Fn Frict	0.0	0.0	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00					
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00					
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00					
Partition	0	0	0.00	0	0.00	Partition	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00					
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00					
Sub Total ==>	0	2,249	22.36	0	0.00	Sub Total ==>	0	-2,829	86.66				
Internal Loads													
Lights	3,494	874	43.44	3,494	49.42	Lights	0	0.00					
People	450	450	4.48	250	3.54	People	0	0.00					
Misc	2,304	0	22.91	2,304	32.58	Misc	0	0.00					
Sub Total ==>	6,248	874	70.82	6,048	85.54	Sub Total ==>	0	0.00					
Ceiling Load													
Ventilation Load	1,022	-1,022	0.00	895	12.66	Ceiling Load	-764	0.00					
Ov/Undr Sizing	0	0	7.34	0	0.00	Ventilation Load	0	-1,264	38.73				
Exhaust Heat	0	-53	-0.53	127	1.80	Ov/Undr Sizing	0	0.00					
Sup. Fan Heat	0	0	0.00	0	0.00	Exhaust Heat	0	40	-1.21				
Ret. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00					
Duct Heat Pkup	0	0	0.00	0	0.00	RA Preheat Diff.	-1,057	32.37					
Reheat at Design	0	0	0.00	0	0.00	Additional Reheat	0	0.00					
						System Plenum Heat	1,846	-56.55					
Grand Total ==>	7,271	2,047	100.00	7,071	100.00	Grand Total ==>	-764	-3,264	100.00				

AIRFLOWS												
		Cooling	Heating									
Vent		20	20									
Infil		0	0									
Supply		368	110									
MinStop/Rh		110	110									
Return		368	110									
Exhaust		20	20									
Rm Exh		0	0									
Auxil		0	0									

ENGINEERING CKS												
		Cooling	Heating									
% OA		5.4	18.1									
cfm/ft²		0.27	0.08									
cfm/ton		439.00										
ft³/ton		1,611.02										
Btu/hr-ft²		7.45	-2.42									
No. People		1										

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F			
Main Clg	0.8	10.1	9.2	368	77.6	64.0	68.0	57.7	54.9	60.4	Main Htg	-2.3	110	57.7	76.3		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-1.0	20	13.0	57.7		
Total	0.8	10.1									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-3.3					

Room Checksums

By ae

327-ADMIN 16

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 21			Mo/Hr: 7 / 21		Mo/Hr: 13 / 1			Cooling Heating			
Outside Air:		OADB/WB/HR: 80 / 73 / 110			OADB: 80		OADB: 13			SADB	57.7	76.3	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	77.6	58.2		
Envelope Loads													
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn BldTD	0.0	0.0		
Roof Cond	0	2,249	22.36	0	0.00	Roof Cond	0	-2,829	86.66	Fn Frict	0.0	0.0	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00					
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00					
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00					
Partition	0	0	0.00	0	0.00	Partition	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00					
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00					
Sub Total ==>	0	2,249	22.36	0	0.00	Sub Total ==>	0	-2,829	86.66				
Internal Loads													
Lights	3,494	874	43.44	3,494	49.42	Lights	0	0.00					
People	450	450	4.48	250	3.54	People	0	0.00					
Misc	2,304	0	22.91	2,304	32.58	Misc	0	0.00					
Sub Total ==>	6,248	874	70.82	6,048	85.54	Sub Total ==>	0	0.00					
Ceiling Load													
Ventilation Load	1,022	-1,022	0.00	895	12.66	Ceiling Load	-764	0.00					
Ov/Undr Sizing	0	0	7.34	0	0.00	Ventilation Load	0	-1,264	38.73				
Exhaust Heat	0	-53	-0.53	127	1.80	Ov/Undr Sizing	0	0.00					
Sup. Fan Heat	0	0	0.00	0	0.00	Exhaust Heat	0	40	-1.21				
Ret. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00					
Duct Heat Pkup	0	0	0.00	0	0.00	RA Preheat Diff.	-1,057	32.37					
Reheat at Design	0	0	0.00	0	0.00	Additional Reheat	0	0.00					
						System Plenum Heat	1,846	-56.55					
Grand Total ==>	7,271	2,047	100.00	7,071	100.00	Grand Total ==>	-764	-3,264	100.00				

AIRFLOWS												
		Cooling	Heating									
Vent		20	20									
Infil		0	0									
Supply		368	110									
MinStop/Rh		110	110									
Return		368	110									
Exhaust		20	20									
Rm Exh		0	0									
Auxil		0	0									

ENGINEERING CKS												
		Cooling	Heating									
% OA		5.4	18.1									
cfm/ft²		0.27	0.08									
cfm/ton		439.00										
ft²/ton		1,611.02										
Btu/hr-ft²		7.45	-2.42									
No. People		1										

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR		Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	°F	°F	°F	°F	ft²	ft²	(%)	MBh	cfm	°F	°F				
Main Clg	0.8	10.1	9.2	368	77.6	64.0	68.0	57.7	54.9	60.4	Main Htg	-2.3	110	57.7	76.3		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-1.0	20	13.0	57.7		
Total	0.8	10.1									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-3.3					

Room Checksums

By ae

328-ADMIN 17

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES										
Peaked at Time:		Mo/Hr: 7 / 21			Mo/Hr: 7 / 21		Mo/Hr: 13 / 1			Cooling			Heating								
Outside Air:		OADB/WB/HR: 80 / 73 / 110			OADB: 80		OADB: 13			SADB	57.7	76.3	Plenum	77.4	68.2						
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2	Ret/OA	77.6	58.2							
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0	Fn BldTD	0.0	0.0							
Envelope Loads					Envelope Loads					AIRFLOWS											
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Vent	20	20	Infil	0	0							
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Supply	368	110	MinStop/Rh	110	110							
Roof Cond	0	2,249	22.36	0	0.00	Roof Cond	0	-2,829	86.66	Return	368	110	Exhaust	20	20						
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0	0.00	Rm Exh	0	0	Auxil	0	0						
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0	0.00	ENGINEERING CKS											
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0	0.00	% OA	5.4	18.1	cfm/ft ²	0.27	0.08						
Partition	0	0	0.00	0	0.00	Partition	0	0	0.00	cfm/ton	439.00		ft ² /ton	1,611.02							
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00	Btu/hr-ft ²	7.45	-2.42	No. People	1							
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0	0.00												
Sub Total ==>	0	2,249	22.36	0	0.00	Sub Total ==>	0	-2,829	86.66												
Internal Loads					Internal Loads																
Lights	3,494	874	4,368	43.44	3,494	49.42	Lights	0	0.00												
People	450		450	4.48	250	3.54	People	0	0.00												
Misc	2,304	0	2,304	22.91	2,304	32.58	Misc	0	0.00												
Sub Total ==>	6,248	874	7,122	70.82	6,048	85.54	Sub Total ==>	0	0.00												
Ceiling Load					Ceiling Load																
Ventilation Load	1,022	-1,022	0	0.00	895	12.66	Ventilation Load	-764	0.00												
Ov/Undr Sizing	0	0	738	7.34	0	0.00	Ov/Undr Sizing	0	-1,264	38.73											
Exhaust Heat		-53	-53	-0.53	127	1.80	Exhaust Heat	0	0	0.00											
Sup. Fan Heat			0	0.00			OA Preheat Diff.	0	0	0.00											
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.	-1,057	32.37												
Duct Heat Pkup		0	0	0.00			Additional Reheat	0	0.00												
Reheat at Design			0	0.00			System Plenum Heat	1,846	-56.55												
Grand Total ==>	7,271	2,047	10,056	100.00	7,071	100.00	Grand Total ==>	-764	-3,264	100.00											
COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION								
Total Capacity		Sens Cap.		Coil Airflow		Enter DB/WB/HR		Leave DB/WB/HR		Gross Total		Glass		Capacity		Coil Airflow		Ent		Lvg	
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft ²	(%)	MBh	cfm	°F	°F					
Main Clg	0.8	10.1	9.2	368	77.6	64.0	68.0	57.7	54.9	60.4	Floor	1,350		Main Htg	-2.3	110	57.7	76.3			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0		Preheat	-1.0	20	13.0	57.7			
Total	0.8	10.1									Roof	1,350	0	0	Humidif	0.0	0	0.0	0.0		
											Wall	0	0	0	Opt Vent	0.0	0	0.0	0.0		
											Total				Total	-3.3					

Room Checksums

By ae

329-ADMIN 21

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES										
Peaked at Time:		Mo/Hr: 7 / 21			Mo/Hr: 7 / 21		Mo/Hr: 13 / 1			Cooling			Heating								
Outside Air:		OADB/WB/HR: 80 / 73 / 110			OADB: 80		OADB: 13			SADB	57.7	76.3	Plenum	77.4	68.2						
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2	Ret/OA	77.6	58.2							
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0	Fn BldTD	0.0	0.0							
Envelope Loads					Envelope Loads					AIRFLOWS											
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Vent	20	20	Infil	0	0							
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Supply	368	110	MinStop/Rh	110	110							
Roof Cond	0	2,249	22.36	0	0.00	Roof Cond	0	-2,829	86.66	Return	368	110	Exhaust	20	20						
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0	0.00	Rm Exh	0	0	Auxil	0	0						
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0	0.00	ENGINEERING CKS											
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0	0.00	% OA	5.4	18.1	cfm/ft²	0.27	0.08						
Partition	0	0	0.00	0	0.00	Partition	0	0	0.00	cfm/ton	439.00		ft²/ton	1,611.02							
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00	Btu/hr-ft²	7.45	-2.42	No. People	1							
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0	0.00												
Sub Total ==>	0	2,249	22.36	0	0.00	Sub Total ==>	0	-2,829	86.66												
Internal Loads					Internal Loads																
Lights	3,494	874	4,368	43.44	3,494	49.42	Lights	0	0	0.00											
People	450		450	4.48	250	3.54	People	0	0	0.00											
Misc	2,304	0	2,304	22.91	2,304	32.58	Misc	0	0	0.00											
Sub Total ==>	6,248	874	7,122	70.82	6,048	85.54	Sub Total ==>	0	0	0.00											
Ceiling Load					Ceiling Load																
Ventilation Load	1,022	-1,022	0	0.00	895	12.66	Ventilation Load	-764	0	0.00											
Ov/Undr Sizing	0	0	738	7.34	0	0.00	Ov/Undr Sizing	0	-1,264	38.73											
Exhaust Heat		-53	-53	-0.53	127	1.80	Exhaust Heat	0	0	0.00											
Sup. Fan Heat			0	0.00			OA Preheat Diff.	40	-1.21												
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.	0	0.00												
Duct Heat Pkup		0	0	0.00			Additional Reheat	-1,057	32.37												
Reheat at Design			0	0.00			System Plenum Heat	1,846	-56.55												
Grand Total ==>	7,271	2,047	10,056	100.00	7,071	100.00	Grand Total ==>	-764	-3,264	100.00											
COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION								
Total Capacity		Sens Cap.		Coil Airflow		Enter DB/WB/HR		Leave DB/WB/HR		Gross Total		Glass		Capacity		Coil Airflow		Ent		Lvg	
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F					
Main Clg	0.8	10.1	9.2	368	77.6	64.0	68.0	57.7	54.9	60.4	Floor	1,350		Main Htg	-2.3	110	57.7	76.3			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0		Preheat	-1.0	20	13.0	57.7			
Total	0.8	10.1									Roof	1,350	0	Humidif	0.0	0	0.0	0.0			
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0			
											Total	-3.3		Total	-3.3						

Room Checksums

By ae

330-ASSISTANT DIRECTOR 6

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES								
Peaked at Time:		Mo/Hr: 9 / 13			Mo/Hr: 11 / 12		Mo/Hr: 13 / 1				Cooling		Heating							
Outside Air:		OADB/WB/HR: 82 / 67 / 76			OADB: 61		OADB: 61		OADB: 13											
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total												
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)												
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS								
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00	Skylite Solar	0	0	0.00	TEMPERATURES			
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00	Skylite Cond	0	0	0.00	SADB	57.7	80.0	
Roof Cond	0	-16	-0.31	0	0.00	0	-283	9.49	Roof Cond	0	-283	9.49	Roof Cond	0	-283	9.49	Plenum	77.4	68.2	
Glass Solar	3,515	0	70.82	4,426	86.00	0	0	0.00	Glass Solar	0	0	0.00	Glass Solar	0	0	0.00	Return	77.4	68.2	
Glass Cond	89	0	1.79	-194	-3.77	0	-786	26.36	Glass Cond	-786	-786	26.36	Glass Cond	-786	-786	26.36	Ret/OA	77.8	54.5	
Wall Cond	4	11	0.30	-5	-0.10	0	-30	4.88	Wall Cond	-30	-146	4.88	Wall Cond	-30	-146	4.88	Fn MtrTD	0.0	0.0	
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00	Partition	0	0	0.00	Fn BldTD	0.0	0.0	
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00	Exposed Floor	0	0	0.00	Fn Frict	0.0	0.0	
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00	Infiltration	0	0	0.00	ENGINEERING CKS			
Sub Total ==>	3,608	-5	3,603	4,227	82.14	-816	-1,215	40.73	Sub Total ==>	-816	-1,215	40.73	Sub Total ==>	-816	-1,215	40.73	Vent	20	20	
Internal Loads					Internal Loads			Internal Loads				Vent	20	20						
Lights	349	87	437	8.80	349	6.79	0	0	0.00	Lights	0	0	0.00	Lights	0	0	0.00	Infil	0	0
People	450	0	450	9.07	250	4.86	0	0	0.00	People	0	0	0.00	People	0	0	0.00	Supply	268	80
Misc	230	0	230	4.64	230	4.48	0	0	0.00	Misc	0	0	0.00	Misc	0	0	0.00	MinStop/Rh	80	80
Sub Total ==>	1,030	87	1,117	22.51	830	16.12	0	0	0.00	Sub Total ==>	0	0	0.00	Sub Total ==>	0	0	0.00	Return	268	80
Ceiling Load					Ceiling Load			Ceiling Load				Exhaust	20	20						
Lights	349	87	437	8.80	349	6.79	0	0	0.00	Lights	0	0	0.00	Lights	0	0	0.00	Rm Exh	0	0
People	450	0	450	9.07	250	4.86	0	0	0.00	People	0	0	0.00	People	0	0	0.00	Auxil	0	0
Misc	230	0	230	4.64	230	4.48	0	0	0.00	Misc	0	0	0.00	Misc	0	0	0.00			
Sub Total ==>	1,030	87	1,117	22.51	830	16.12	0	0	0.00	Sub Total ==>	0	0	0.00	Sub Total ==>	0	0	0.00			
Ventilation Load					Ventilation Load			Ventilation Load												
Ov/Undr Sizing	0	0	0.00	0	0.00	0	-1,264	42.40	Ov/Undr Sizing	0	-1,264	42.40	Ov/Undr Sizing	0	-1,264	42.40				
Exhaust Heat	0	-53	-1.07	0	0.00	0	0	0.00	Exhaust Heat	0	0	0.00	Exhaust Heat	0	0	0.00				
Sup. Fan Heat	0	0	0.00	0	0.00	0	40	-1.33	Sup. Fan Heat	0	40	-1.33	Sup. Fan Heat	0	40	-1.33				
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	Ret. Fan Heat	0	0	0.00	Ret. Fan Heat	0	0	0.00				
Duct Heat Pkup	0	0	0.00	0	0.00	0	-705	23.66	Duct Heat Pkup	0	-705	23.66	Duct Heat Pkup	0	-705	23.66				
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	Reheat at Design	0	0	0.00	Reheat at Design	0	0	0.00				
Grand Total ==>	4,740	-73	4,964	100.00	5,146	100.00	-893	-2,982	100.00	Grand Total ==>	-893	-2,982	100.00	Grand Total ==>	-893	-2,982	100.00	% OA	7.5	24.9
COOLING COIL SELECTION					AREAS					HEATING COIL SELECTION										
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass				Capacity	Coil Airflow	Ent	Lvg							
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)				MBh	cfm	°F	°F							
Main Clg	0.4	5.0	4.6	236	77.8	63.7	66.5	57.7	56.4	66.5	Floor	135				Main Htg	-2.0	80	57.7	80.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0				Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0				Preheat	-1.0	20	13.0	57.7
Total	0.4	5.0									Roof	135	0	0		Humidif	0.0	0	0.0	0.0
											Wall	90	46	52		Opt Vent	0.0	0	0.0	0.0
											Total	-3.0								

Room Checksums

By ae

331-ASSISTANT DIRECTOR 7

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 9 / 13			Mo/Hr: 11 / 12		Mo/Hr: 13 / 1			Cooling		Heating						
Outside Air:		OADB/WB/HR: 82 / 67 / 76			OADB: 61		OADB: 61			OADB: 13								
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	SADB	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads					Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	57.7	77.4	77.4	77.8	0.0	0.0	0.0
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	80.0	68.2	68.2	68.2	0.0	0.0	0.0
Roof Cond	0	-16	-0.31	0	0.00	0	-283	-9.49	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glass Solar	3,515	0	70.82	4,426	86.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glass Cond	89	0	1.79	-194	-3.77	-786	-786	-26.36	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wall Cond	4	11	0.30	-5	-0.10	-30	-146	-4.88	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sub Total ==>	3,608	-5	72.59	4,227	82.14	-816	-1,215	40.73										
Internal Loads					Internal Loads					Internal Loads								
Lights	349	87	8.80	349	6.79	0	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
People	450	0	9.07	250	4.86	0	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Misc	230	0	4.64	230	4.48	0	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sub Total ==>	1,030	87	22.51	830	16.12	0	0	0.00										
Ceiling Load					Ceiling Load					Ceiling Load								
Ventilation Load	102	-102	0.00	90	1.74	-76	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ov/Undr Sizing	0	0	5.97	0	0.00	0	-1,264	-42.40	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Exhaust Heat	0	-53	-1.07	0	0.00	0	40	-1.33	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sup. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ret. Fan Heat	0	0	0.00	0	0.00	0	-705	-23.66	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reheat at Design	0	0	0.00	0	0.00	0	163	-5.46	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grand Total ==>	4,740	-73	100.00	5,146	100.00	-893	-2,982	100.00										

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg							
ton	MBh	MBh	cfm °F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F							
Main Clg	0.4	5.0	236 77.8 63.7 66.5	57.7 56.4 66.5	Floor	135	-2.0	80	57.7	80.0							
Aux Clg	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	Part	0	0.0	0	0.0	0.0							
Opt Vent	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	ExFlr	0	-1.0	20	13.0	57.7							
Total	0.4	5.0			Roof	135	0.0	0	0.0	0.0							
					Wall	90	0.0	0	0.0	0.0							
							36.77	0	0.0	0.0							
							-22.09	0	0.0	0.0							
							No. People	1									

Room Checksums

By ae

332-ASSISTANT DIRECTOR 8

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 13			Mo/Hr: 11 / 12		Mo/Hr: 13 / 1				Cooling		Heating	
Outside Air:		OADB/WB/HR: 82 / 67 / 76			OADB: 61		OADB: 61		OADB: 13					
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total			SADB			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads														
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	57.7	80.0	
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	77.4	68.2	
Roof Cond	0	-16	-0.31	0	0.00	0	-283	9.49	0	0	0.00	77.4	68.2	
Glass Solar	3,515	0	70.82	4,426	86.00	0	0	0.00	0	0	0.00	77.8	54.5	
Glass Cond	89	0	1.79	-194	-3.77	0	-786	26.36	0	0	0.00	0.0	0.0	
Wall Cond	4	11	0.30	-5	-0.10	0	-30	4.88	0	0	0.00	0.0	0.0	
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	
Sub Total ==>	3,608	-5	72.59	4,227	82.14	-816	-1,215	40.73						
Internal Loads														
Lights	349	87	8.80	349	6.79	0	0	0.00	0	0	0.00			
People	450		9.07	250	4.86	0	0	0.00	0	0	0.00			
Misc	230	0	4.64	230	4.48	0	0	0.00	0	0	0.00			
Sub Total ==>	1,030	87	22.51	830	16.12	0	0	0.00						
Ceiling Load														
Lights	102	-102	0.00	90	1.74	-76	0	0.00	0	0	0.00			
Ventilation Load	0	0	5.97	0	0.00	0	-1,264	42.40	0	0	0.00			
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00			
Exhaust Heat		-53	-1.07				40	-1.33						
Sup. Fan Heat		0	0.00				0	0.00						
Ret. Fan Heat		0	0.00				-705	23.66						
Duct Heat Pkup		0	0.00				0	0.00						
Reheat at Design		0	0.00				163	-5.46						
Grand Total ==>	4,740	-73	100.00	5,146	100.00	-893	-2,982	100.00						

AIRFLOWS													
		Cooling	Heating										
Vent		20	20										
Infil		0	0										
Supply		268	80										
MinStop/Rh		80	80										
Return		268	80										
Exhaust		20	20										
Rm Exh		0	0										
Auxil		0	0										

ENGINEERING CKS													
		Cooling	Heating										
% OA		7.5	24.9										
cfm/ft²		1.98	0.60										
cfm/ton		647.29											
ft³/ton		326.36											
Btu/hr-ft²		36.77	-22.09										
No. People		1											

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR		Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	cfm	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F				
Main Clg	0.4	5.0	4.6	236	77.8	63.7	66.5	57.7	56.4	66.5	-2.0	80	57.7	80.0			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	20	13.0	57.7			
Total	0.4	5.0									0.0	0	0.0	0.0			

HEATING COIL SELECTION													
Capacity	Coil Airflow	Ent	Lvg										
MBh	cfm	°F	°F										
Main Htg	-2.0	80	57.7	80.0									
Aux Htg	0.0	0	0.0	0.0									
Preheat	-1.0	20	13.0	57.7									
Humidif	0.0	0	0.0	0.0									
Opt Vent	0.0	0	0.0	0.0									
Total	-3.0												

Room Checksums

By ae

333-DIRECTOR OFFICE

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES						
Peaked at Time:		Mo/Hr: 9 / 13			Mo/Hr: 11 / 12		Mo/Hr: 13 / 1				Cooling		Heating						
Outside Air:		OADB/WB/HR: 82 / 67 / 76			OADB: 61		OADB: 61				OADB: 13								
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	SADB	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)								
Envelope Loads																			
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	57.7	77.4	77.4	77.7	0.0	0.0	0.0	0.0
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	80.1	68.2	68.2	54.7	0.0	0.0	0.0	0.0
Roof Cond	0	-17	-0.34	0	0.00	0	-314	10.42	0	0	0.00					0.0	0.0	0.0	0.0
Glass Solar	3,515	0	69.77	4,426	84.80	0	0	0.00	0	0	0.00					0.0	0.0	0.0	0.0
Glass Cond	89	0	1.76	-194	-3.72	-786	-786	26.06	-786	-786	26.06					0.0	0.0	0.0	0.0
Wall Cond	5	11	0.33	-7	-0.13	-40	-161	5.34	-40	-161	5.34					0.0	0.0	0.0	0.0
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00					0.0	0.0	0.0	0.0
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00					0.0	0.0	0.0	0.0
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00					0.0	0.0	0.0	0.0
Sub Total ==>	3,609	-6	71.52	4,225	80.96	-826	-1,261	41.83	-826	-1,261	41.83								
Internal Loads																			
Lights	388	97	9.63	388	7.44	0	0	0.00	0	0	0.00								
People	450		8.93	250	4.79	0	0	0.00	0	0	0.00								
Misc	256	0	5.08	256	4.90	0	0	0.00	0	0	0.00								
Sub Total ==>	1,094	97	23.65	894	17.13	0	0	0.00	0	0	0.00								
Ceiling Load																			
Lights	114	-114	0.00	99	1.91	-85	0	0.00	-85	0	0.00								
Ventilation Load	0	0	5.88	0	0.00	0	-1,264	41.93	0	-1,264	41.93								
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00								
Exhaust Heat		-53	-1.05				40	-1.31		40	-1.31								
Sup. Fan Heat		0	0.00				0	0.00		0	0.00								
Ret. Fan Heat		0	0.00				-719	23.83		-719	23.83								
Duct Heat Pkup		0	0.00				0	0.00		0	0.00								
Reheat at Design		0	0.00				189	-6.27		189	-6.27								
Grand Total ==>	4,817	-75	100.00	5,219	100.00	-911	-3,015	100.00	-911	-3,015	100.00								

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total		Glass		Capacity	Coil Airflow	Ent	Lvg					
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb	ft²	ft² (%)	ft² (%)	MBh	cfm	°F	°F						
Main Clg	0.4	5.0	4.7	240	77.7	63.7	66.4	57.7	56.4	66.4	-2.0	81	57.7	80.1			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	20	13.0	57.7			
Total	0.4	5.0									0.0	0	0.0	0.0			
											0.0	0	0.0	0.0			
											0.0	0	0.0	0.0			
											0.0	0	0.0	0.0			
											-3.0						

Room Checksums

By ae

334-CONFERENCE ROOM 3

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 11			Mo/Hr: 9 / 10		Mo/Hr: 13 / 1							Cooling		Heating		
Outside Air:		OADB/WB/HR: 84 / 74 / 111			OADB: 72		OADB: 72											
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	SADB	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads					Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	57.7	77.4	77.4	79.5	0.0	0.0	0.0
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	77.4	77.4	77.4	79.5	0.0	0.0	0.0
Roof Cond	0	117	0.28	0	0.00	0	-817	2.52	0	-817	2.52	77.4	77.4	77.4	79.5	0.0	0.0	0.0
Glass Solar	15,402	0	36.27	22,520	76.42	0	0	0.00	0	0	0.00	77.4	77.4	77.4	79.5	0.0	0.0	0.0
Glass Cond	929	0	2.19	-334	-1.13	0	-6,098	18.81	0	-6,098	18.81	77.4	77.4	77.4	79.5	0.0	0.0	0.0
Wall Cond	0	75	0.18	0	0.00	0	-90	0.28	0	-90	0.28	77.4	77.4	77.4	79.5	0.0	0.0	0.0
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	77.4	77.4	77.4	79.5	0.0	0.0	0.0
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	77.4	77.4	77.4	79.5	0.0	0.0	0.0
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	77.4	77.4	77.4	79.5	0.0	0.0	0.0
Sub Total ==>	16,331	192	38.91	22,186	75.29	-6,098	-7,005	21.60	16,331	192	38.91							
Internal Loads					Internal Loads					Internal Loads								
Lights	1,458	364	4.29	1,458	4.95	0	0	0.00	0	0	0.00							
People	8,000	0	18.84	4,900	16.63	0	0	0.00	0	0	0.00							
Misc	666	0	1.57	666	2.26	0	0	0.00	0	0	0.00							
Sub Total ==>	10,123	364	24.70	7,023	23.83	0	0	0.00	10,123	364	24.70							
Ceiling Load					Ceiling Load					Ceiling Load								
Ventilation Load	295	-295	0.00	259	0.88	-221	0	0.00	0	0	0.00							
Ov/Undr Sizing	0	0	38.89	0	0.00	0	-25,286	77.98	0	-25,286	77.98							
Exhaust Heat	0	-1,060	-2.50	0	0.00	0	793	-2.44	0	793	-2.44							
Sup. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Ret. Fan Heat	0	0	0.00	0	0.00	0	-701	2.16	0	-701	2.16							
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00							
Reheat at Design	0	0	0.00	0	0.00	0	-225	0.69	0	-225	0.69							
Grand Total ==>	26,750	-799	100.00	29,467	100.00	-6,319	-32,425	100.00	26,750	-799	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	°F	°F	gr/lb	°F	°F	gr/lb	ft²	ft² (%)	MBh	cfm	°F	°F			
Main Clg	3.5	42.5	26.8	1,230	79.5	67.1	80.2	57.7	56.2	65.7	Main Htg	-12.6	460	57.7	82.4		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-19.8	400	13.0	57.7		
Total	3.5	42.5									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-32.4					

Room Checksums

By ae

335-ADMIN 20

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 9			Mo/Hr: 7 / 9		Mo/Hr: 13 / 1					Cooling Heating			
Outside Air:		OADB/WB/HR: 78 / 72 / 107			OADB: 78		OADB: 13					SADB	57.7	80.6	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	77.4	68.2	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	77.4	68.2	
Envelope Loads					Envelope Loads			Envelope Loads							
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Ret/OA	77.5	53.6	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn MtrTD	0.0	0.0	
Roof Cond	0	42	0.74	0	0.00	Roof Cond	0	-283	9.69				Fn BldTD	0.0	0.0
Glass Solar	3,866	0	67.80	3,866	79.73	Glass Solar	0	0	0.00				Fn Frict	0.0	0.0
Glass Cond	42	0	0.73	42	0.86	Glass Cond	-786	-786	26.93						
Wall Cond	9	31	0.70	9	0.19	Wall Cond	-30	-146	4.99						
Partition	0	0	0.00	0	0.00	Partition	0	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0	0.00						
Sub Total ==>	3,917	73	69.97	3,917	80.78	Sub Total ==>	-816	-1,215	41.62						
Internal Loads					Internal Loads			Internal Loads							
Lights	349	87	7.66	349	7.21	Lights	0	0	0.00						
People	450	0	7.89	250	5.16	People	0	0	0.00						
Misc	230	0	4.04	230	4.75	Misc	0	0	0.00						
Sub Total ==>	1,030	87	19.59	830	17.11	Sub Total ==>	0	0	0.00						
Ceiling Load					Ceiling Load			Ceiling Load							
Ventilation Load	102	-102	0.00	90	1.85	Ventilation Load	-76	0	0.00						
Ov/Undr Sizing	0	0	11.37	0	0.00	Ov/Undr Sizing	0	-1,264	43.32						
Exhaust Heat	0	0	0.00	13	0.26	Exhaust Heat	0	0	0.00						
Sup. Fan Heat	0	-53	-0.93	0	0.00	OA Preheat Diff.	0	40	-1.36						
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0	0.00						
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	0	-651	22.31						
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	172	0	0.00						
Grand Total ==>	5,049	5	100.00	4,849	100.00	Grand Total ==>	-893	-2,918	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.5	5.7	4.9	252	77.5	64.1	68.8	57.7	56.8	67.9	Floor	135	-1.9	76	57.7	80.6	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	-1.0	20	13.0	57.7	
Total	0.5	5.7									Roof	135	0	0	0	0.0	
											Wall	90	46	52	0	0.0	
											Total		-2.9	0	0.0	0.0	

Room Checksums

By ae

336-ADMIN 19

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 9			Mo/Hr: 7 / 9		OADB: 78		Mo/Hr: 13 / 1		OADB: 13				
Outside Air:		OADB/WB/HR: 78 / 72 / 107													
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				SADB	Cooling	Heating	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads															
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00	Fn MtrTD	0.0	0.0
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00	Fn BldTD	0.0	0.0
Roof Cond	0	42	0.74	0	0.00	0	-283	9.69	Roof Cond	0	-283	9.69	Fn Frict	0.0	0.0
Glass Solar	3,866	0	67.80	3,866	79.73	0	0	0.00	Glass Solar	0	0	0.00			
Glass Cond	42	0	0.73	42	0.86	-786	-786	26.93	Glass Cond	-786	-786	26.93			
Wall Cond	9	31	0.70	9	0.19	-30	-146	4.99	Wall Cond	-30	-146	4.99			
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00			
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00			
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00			
Sub Total ==>	3,917	73	69.97	3,917	80.78	-816	-1,215	41.62	Sub Total ==>	-816	-1,215	41.62			
Internal Loads															
Lights	349	87	7.66	349	7.21	0	0	0.00	Lights	0	0	0.00			
People	450	0	7.89	250	5.16	0	0	0.00	People	0	0	0.00			
Misc	230	0	4.04	230	4.75	0	0	0.00	Misc	0	0	0.00			
Sub Total ==>	1,030	87	19.59	830	17.11	0	0	0.00	Sub Total ==>	0	0	0.00			
Ceiling Load															
Lights	102	-102	0.00	90	1.85	-76	0	0.00	Ceiling Load	-76	0	0.00			
Ventilation Load	0	0	11.37	0	0.00	0	-1,264	43.32	Ventilation Load	0	-1,264	43.32			
Ov/Undr Sizing	0	0	0.00	13	0.26	0	0	0.00	Ov/Undr Sizing	0	0	0.00			
Exhaust Heat		-53	-0.93				40	-1.36	Exhaust Heat		40	-1.36			
Sup. Fan Heat		0	0.00				0	0.00	OA Preheat Diff.		0	0.00			
Ret. Fan Heat		0	0.00				-651	22.31	RA Preheat Diff.		-651	22.31			
Duct Heat Pkup		0	0.00				0	0.00	Additional Reheat		0	0.00			
Reheat at Design		0	0.00				172	-5.89	System Plenum Heat		172	-5.89			
Grand Total ==>	5,049	5	100.00	4,849	100.00	-893	-2,918	100.00	Grand Total ==>	-893	-2,918	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.5	5.7	4.9	252	77.5	64.1	68.8	57.7	56.8	67.9		Main Htg	-1.9	76	57.7	80.6	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0		Preheat	-1.0	20	13.0	57.7	
Total	0.5	5.7										Humidif	0.0	0	0.0	0.0	
												Opt Vent	0.0	0	0.0	0.0	
												Total	-2.9				

AIRFLOWS			ENGINEERING CKS		
	Cooling	Heating		Cooling	Heating
Vent	20	20	% OA	7.9	26.4
Infil	0	0	cfm/ft²	1.87	0.56
Supply	252	76	cfm/ton	530.90	
MinStop/Rh	76	76	ft³/ton	284.09	
Return	252	76	Btu/hr-ft²	42.24	-21.62
Exhaust	20	20	No. People	1	
Rm Exh	0	0			
Auxil	0	0			

Room Checksums

By ae

337-ADMIN 18

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 9			Mo/Hr: 7 / 9		OADB: 78		Mo/Hr: 13 / 1		OADB: 13					
Outside Air:		OADB/WB/HR: 78 / 72 / 107														
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)				SADB	Cooling	Heating		
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h									
Envelope Loads																
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	57.7	80.6
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	77.4	68.2
Roof Cond	0	42	0.74	0	0.00	0	-283	9.69	0	0	0.00	0	0	0.00	77.4	68.2
Glass Solar	3,866	0	67.80	3,866	79.73	0	0	0.00	0	0	0.00	0	0	0.00	77.5	53.6
Glass Cond	42	0	0.73	42	0.86	-786	-786	26.93	0	0	0.00	0	0	0.00	0.0	0.0
Wall Cond	9	31	0.70	9	0.19	-30	-146	4.99	0	0	0.00	0	0	0.00	0.0	0.0
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0
Sub Total ==>	3,917	73	69.97	3,917	80.78	-816	-1,215	41.62								
Internal Loads																
Lights	349	87	7.66	349	7.21	0	0	0.00	0	0	0.00	0	0	0.00		
People	450		7.89	250	5.16	0	0	0.00	0	0	0.00	0	0	0.00		
Misc	230	0	4.04	230	4.75	0	0	0.00	0	0	0.00	0	0	0.00		
Sub Total ==>	1,030	87	19.59	830	17.11	0	0	0.00								
Ceiling Load																
Lights	102	-102	0.00	90	1.85	-76	0	0.00	0	0	0.00	0	0	0.00		
Ventilation Load	0	0	11.37	0	0.00	0	-1,264	43.32	0	0	0.00	0	0	0.00		
Ov/Undr Sizing	0	0	0.00	13	0.26	0	0	0.00	0	0	0.00	0	0	0.00		
Exhaust Heat		-53	-0.93				40	-1.36								
Sup. Fan Heat		0	0.00				0	0.00								
Ret. Fan Heat		0	0.00				-651	22.31								
Duct Heat Pkup		0	0.00				0	0.00								
Reheat at Design		0	0.00				172	-5.89								
Grand Total ==>	5,049	5	100.00	4,849	100.00	-893	-2,918	100.00								

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.5	5.7	4.9	252	77.5	64.1	68.8	57.7	56.8	67.9	Floor	135	-1.9	76	57.7	80.6	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	-1.0	20	13.0	57.7	
Total	0.5	5.7									Roof	135	0.0	0	0.0	0.0	
											Wall	90	46	52	0.0	0.0	
											Total	-2.9					

AIRFLOWS			ENGINEERING CKS		
	Cooling	Heating		Cooling	Heating
Vent	20	20	% OA	7.9	26.4
Infil	0	0	cfm/ft²	1.87	0.56
Supply	252	76	cfm/ton	530.90	
MinStop/Rh	76	76	ft²/ton	284.09	
Return	252	76	Btu/hr-ft²	42.24	-21.62
Exhaust	20	20	No. People	1	
Rm Exh	0	0			
Auxil	0	0			

Room Checksums

By ae

338-RECORDS ROOM /STORAGE

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 9					Mo/Hr: 7 / 9					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 78 / 72 / 107					OADB: 78					OADB: 13					SADB	57.7	81.2
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)	Space Sens	Coil Peak Tot Sens	Percent Of Total (%)	Plenum	77.4	68.2			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	77.4	68.2			
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	Ret/OA	77.4	68.2			
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	Fn MtrTD	0.0	0.0			
Roof Cond	0	42	0.91	0	0.00	0	-283	15.09	0	0	0.00	Fn BldTD	0.0	0.0			
Glass Solar	3,866	0	83.02	3,866	84.07	0	0	0.00	0	0	0.00	Fn Frict	0.0	0.0			
Glass Cond	42	0	0.89	42	0.90	-786	-786	41.93	-786	-786	41.93						
Wall Cond	9	31	0.85	9	0.20	-30	-146	7.77	-30	-146	7.77						
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Sub Total ==>	3,917	73	85.67	3,917	85.17	-816	-1,215	64.80	-816	-1,215	64.80						
Internal Loads																	
Lights	349	87	9.38	349	7.60	0	0	0.00	0	0	0.00						
People	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Misc	230	0	4.95	230	5.01	0	0	0.00	0	0	0.00						
Sub Total ==>	580	87	14.33	580	12.61	0	0	0.00	0	0	0.00						
Ceiling Load																	
Ventilation Load	102	-102	0.00	90	1.95	-76	0	0.00	0	0	0.00						
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Exhaust Heat	0	0	0.00	13	0.28	0	0	0.00	0	0	0.00						
Sup. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Duct Heat Pkup	0	0	0.00	0	0.00	0	-839	44.79	0	-839	44.79						
Reheat at Design	0	0	0.00	0	0.00	180	180	-9.59	180	180	-9.59						
Grand Total ==>	4,599	58	100.00	4,599	100.00	-893	-1,874	100.00	-893	-1,874	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.4	4.7	239	77.4	63.4	65.5	57.7	56.2	65.5	Floor	135	-1.9	72	57.7	81.2		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.4	4.7								Roof	135	0	0	0.0	0.0		
										Wall	90	46	52	0.0	0.0		
										Total	-1.9	0.0	0	0.0	0.0		

Room Checksums

By ae

339-CONFERENCE ROOM 4

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 14		Mo/Hr: 13 / 1			Cooling Heating			
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13			SADB	55.2	71.0	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	76.3	69.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	91.0	13.0		
Envelope Loads													
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn BldTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Fn Frict	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00					
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00					
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00					
Partition	0	0	0.00	0	0.00	Partition	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00					
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00					
<i>Sub Total ==></i>	0	0	0.00	0	0.00	<i>Sub Total ==></i>	0	0.00					
Internal Loads													
Lights	4,160	1,040	5,201	10.54	4,160	31.59	Lights	0	0.00				
People	12,000		12,000	24.32	7,350	55.81	People	0	0.00				
Misc	1,067	0	1,067	2.16	1,067	8.10	Misc	0	0.00				
<i>Sub Total ==></i>	17,227	1,040	18,267	37.02	12,577	95.50	<i>Sub Total ==></i>	0	0.00				
Ceiling Load													
	247	-247	0	0.00	189	1.43		-203	0	0.00			
Ventilation Load	0	0	31,892	64.62	0	0.00	Ventilation Load	0	-11,379	36.42			
Ov/Undr Sizing	0		0	0.00	404	3.07	Ov/Undr Sizing	0	0	0.00			
Exhaust Heat		-809	-809	-1.64			Exhaust Heat		204	-0.65			
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-19,661	62.93			
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		0	0.00			
Duct Heat Pkup		0	0	0.00			Additional Reheat		0	0.00			
Reheat at Design			0	0.00			System Plenum Heat		-407	1.30			
<i>Grand Total ==></i>	17,474	-17	49,349	100.00	13,170	100.00	<i>Grand Total ==></i>	-203	-31,242	100.00			

AIRFLOWS												
	Cooling		Heating									
Vent	600	180										
Infil	0	0										
Supply	600	180										
MinStop/Rh	180	180										
Return	600	180										
Exhaust	600	180										
Rm Exh	0	0										
Auxil	0	0										

ENGINEERING CKS												
	Cooling		Heating									
% OA	100.0	100.0										
cfm/ft²	0.96	0.29										
cfm/ton	145.90											
ft²/ton	151.98											
Btu/hr-ft²	78.96	-49.99										
No. People	30											

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	°F	°F	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F				
Main Clg	4.1	49.4	23.2	584	91.0	76.9	118.3	55.2	52.6	55.4	Main Htg	-3.2	180	55.2	71.0		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-28.1	600	13.0	55.2		
<i>Total</i>	4.1	49.4									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											<i>Total</i>	-31.2					

Room Checksums

By ae

340-RECEPTION

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES						
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1			Cooling			Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13			SADB	55.2	72.7	Plenum	76.3	69.0		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <td>76.3</td> <td>69.0</td> <th>Ret/OA</th> <td>82.4</td> <td>13.0</td>	76.3	69.0	Ret/OA	82.4	13.0			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0	Fn BldTD	0.0	0.0			
Envelope Loads					Envelope Loads					AIRFLOWS							
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Vent	80	58	Infil	0	0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Supply	193	58	MinStop/Rh	58	58			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Return	193	58	Exhaust	80	58			
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Rm Exh	0	0	Auxil	0	0			
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	ENGINEERING CKS								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	% OA	41.5	100.0	cfm/ft²	0.36	0.11			
Partition	0	0	0.00	0	0.00	Partition	0	0.00	cfm/ton	241.04		ft²/ton	675.12				
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Btu/hr-ft²	17.77	-9.02	No. People	4				
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00									
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00									
Internal Loads					Internal Loads												
Lights	2,097	524	2,621	27.30	2,097	49.54	Lights	0	0.00								
People	1,800		1,800	18.75	1,000	23.63	People	0	0.00								
Misc	922	0	922	9.60	922	21.78	Misc	0	0.00								
Sub Total ==>	4,818	524	5,342	55.66	4,018	94.95	Sub Total ==>	0	0.00								
Ceiling Load					Ceiling Load												
Ventilation Load	214	-214	0	0.00	163	3.85	Ventilation Load	-175	0.00								
Ov/Undr Sizing	0	0	4,367	45.50	0	0.00	Ov/Undr Sizing	0	-3,656	75.10							
Exhaust Heat			0	0.00	51	1.20	Exhaust Heat	0	0	0.00							
Sup. Fan Heat			-111	-1.15			OA Preheat Diff.	66	-1.35								
Ret. Fan Heat			0	0.00			RA Preheat Diff.	-1,037	21.31								
Duct Heat Pkup			0	0.00			Additional Reheat	0	0.00								
Reheat at Design			0	0.00			System Plenum Heat	-241	4.94								
Grand Total ==>	5,032	200	9,598	100.00	4,232	100.00	Grand Total ==>	-175	-4,869	100.00							
COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity			Coil Airflow	Ent	Lvg					
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F							
Main Clg	0.8	9.6	5.9	193	82.4	69.3	87.4	55.2	53.7	59.6	Main Htg	-1.1	58	55.2	72.7		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-3.7	80	13.0	55.2		
Total	0.8	9.6									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-4.9					

Room Checksums

By ae

341-OFFICE SUPPORT WORK AREA

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15			Mo/Hr: 13 / 1			Cooling Heating		
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91			OADB: 13			SADB	55.2	73.5
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)	Btu/h	Btu/h	(%)				
Envelope Loads													
Skylite Solar	0	0	0.00		0	0.00	0	0	0.00				
Skylite Cond	0	0	0.00		0	0.00	0	0	0.00				
Roof Cond	0	0	0.00		0	0.00	0	0	0.00				
Glass Solar	0	0	0.00		0	0.00	0	0	0.00				
Glass Cond	0	0	0.00		0	0.00	0	0	0.00				
Wall Cond	0	0	0.00		0	0.00	0	0	0.00				
Partition	0	0	0.00		0	0.00	0	0	0.00				
Exposed Floor	0	0	0.00		0	0.00	0	0	0.00				
Infiltration	0	0	0.00		0	0.00	0	0	0.00				
<i>Sub Total ==></i>	0	0	0.00		0	0.00	0	0	0.00				
Internal Loads													
Lights	524	131	655	15.91	524	33.60	0	0	0.00				
People	900		900	21.85	500	32.04	0	0	0.00				
Misc	435	0	435	10.57	435	27.89	0	0	0.00				
<i>Sub Total ==></i>	1,859	131	1,991	48.33	1,459	93.53	0	0	0.00				
Ceiling Load													
Ventilation Load	101	-101	0	0.00	77	4.93	-83	0	0.00				
Ov/Undr Sizing	0	0	2,183	53.01	0	0.00	0	-1,348	58.49				
Exhaust Heat		-55	-55	-1.35	24	1.54	0	24	-1.05				
Sup. Fan Heat			0	0.00					-874	37.92			
Ret. Fan Heat		0	0	0.00					0	0.00			
Duct Heat Pkup		0	0	0.00					0	0.00			
Reheat at Design			0	0.00					-107	4.64			
<i>Grand Total ==></i>	1,960	-25	4,119	100.00	1,560	100.00	-83	-2,305	100.00				

AIRFLOWS												
	Cooling		Heating									
Vent	40		21									
Infil	0		0									
Supply	71		21									
MinStop/Rh	21		21									
Return	71		21									
Exhaust	40		21									
Rm Exh	0		0									
Auxil	0		0									

ENGINEERING CKS												
	Cooling		Heating									
% OA	56.3		100.0									
cfm/ft²	0.28		0.08									
cfm/ton	207.13											
ft²/ton	742.99											
Btu/hr-ft²	16.15		-9.04									
No. People	2											

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.3	4.1	2.2	71	84.6	71.4	95.2	55.2	53.7	59.4	-0.4	21	55.2	73.5			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	-1.9	40	13.0	55.2			
<i>Total</i>	0.3	4.1															

AREAS			HEATING COIL SELECTION				
Floor	Part	ExFlr	Capacity	Coil Airflow	Ent	Lvg	
Roof	Wall		MBh	cfm	°F	°F	
255	0	0	-0.4	21	55.2	73.5	
0	0	0	0.0	0	0.0	0.0	
0	0	0	-1.9	40	13.0	55.2	
0	0	0	0.0	0	0.0	0.0	
0	0	0	0.0	0	0.0	0.0	
<i>Total</i>			-2.3				

Room Checksums

By ae

342-STORAGE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1						
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13						
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total							
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Cooling	Heating		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Vent	0	0	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Infil	0	0	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Supply	279	84	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00				MinStop/Rh	84	84	
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00				Return	279	84	
Partition	0	0	0.00	0	0.00	Partition	0	0.00				Exhaust	0	0	
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00				Rm Exh	0	0	
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00				Auxil	0	0	
<i>Sub Total ==></i>	0	0	0.00	0	0.00	<i>Sub Total ==></i>	0	0.00				ENGINEERING CKS			
Internal Loads					Internal Loads			Internal Loads				% OA			
Lights	5,240	1,310	6,550	100.00	5,240	85.48	Lights	0	0.00				cfm/ft²	0.12	0.04
People	0	0	0.00	0	0.00	People	0	0.00				cfm/ton	511.68		
Misc	0	0	0.00	0	0.00	Misc	0	0.00				ft³/ton	4,121.86		
<i>Sub Total ==></i>	5,240	1,310	6,550	100.00	5,240	85.48	<i>Sub Total ==></i>	0	0.00				Btu/hr-ft²	2.91	-0.94
Ceiling Load					Ceiling Load			Ceiling Load				No. People			
Ventilation Load	890	-890	0	0.00	679	11.07	Ventilation Load	-730	0.00				0		
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00							
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00							
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00							
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00							
Duct Heat PkUp	0	0	0.00	0	0.00	Additional Reheat	-1,279	60.81							
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	-825	39.19							
<i>Grand Total ==></i>	6,131	420	6,550	100.00	6,131	100.00	<i>Grand Total ==></i>	-730	-2,104	100.00					

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.6	6.6	6.6	279	76.3	63.0	65.5	55.2	55.2	65.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.6	6.6								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	2,250		
Part	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-2.1			

Room Checksums

By ae

343-ADAPTIVE LAB

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	72.1		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0		
Envelope Loads					Envelope Loads			Envelope Loads				Ret/OA			87.4	13.0
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00								
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00								
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS				
Lights	1,049	262	1,311	14.00	1,049	36.24	Lights	0	0.00				Vent	100	40	
People	2,250		2,250	24.03	1,250	43.20	People	0	0.00				Infil	0	0	
Misc	483	0	483	5.16	483	16.69	Misc	0	0.00				Supply	132	40	
Sub Total ==>	3,782	262	4,044	43.18	2,782	96.13	Sub Total ==>	0	0.00				MinStop/Rh	40	40	
Ceiling Load					Ceiling Load			Ceiling Load				Return			132	40
Ventilation Load	0	0	5,458	58.29	0	0.00	Ventilation Load	0	0.00				Exhaust	100	40	
Ov/Undr Sizing	0		0	0.00	27	0.92	Ov/Undr Sizing	0	0.00				Rm Exh	0	0	
Exhaust Heat		-139	-139	-1.48			Exhaust Heat		45	-0.83				Auxil	0	0
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-2,830	52.19				ENGINEERING CKS		
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00				% OA	75.9	100.0
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00				cfm/ft²	0.47	0.14
Reheat at Design			0	0.00			System Plenum Heat		-137	2.52				cfm/ton	168.94	
Grand Total ==>	3,894	12	9,364	100.00	2,894	100.00	Grand Total ==>	-92	-5,422	100.00				ft²/ton	362.68	
												Btu/hr-ft²			33.09	-19.16
												No. People			5	

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.8	9.4	4.7	132	87.4	73.9	105.5	55.2	52.8	55.9	Floor	283					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	-0.7	40	55.2		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0		
Total	0.8	9.4		0	0.0	0.0	0.0	0.0	0.0	0.0	Roof	0	-4.7	100	13.0		
											Wall	0	0.0	0	0.0		
											Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-5.4					

Room Checksums

By ae

344-ADMIN 22

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES						
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 6 / 18		Mo/Hr: 13 / 1						Cooling		Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 84		OADB: 84												
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	SADB	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)								
Envelope Loads																			
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	55.2	76.3	76.3	79.8	0.0	0.0	0.0	
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	76.3	69.0	69.0	25.1	0.0	0.0	0.0	
Roof Cond	0	125	3.84	0	0.00	0	-287	12.95	0	0	0.00	76.3	69.0	69.0	25.1	0.0	0.0	0.0	
Glass Solar	698	0	21.51	873	46.79	0	0	0.00	0	0	0.00	76.3	69.0	69.0	25.1	0.0	0.0	0.0	
Glass Cond	215	0	6.64	118	6.34	-786	-786	35.49	0	0	0.00	76.3	69.0	69.0	25.1	0.0	0.0	0.0	
Wall Cond	6	19	0.77	4	0.23	-30	-147	6.65	0	0	0.00	76.3	69.0	69.0	25.1	0.0	0.0	0.0	
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	76.3	69.0	69.0	25.1	0.0	0.0	0.0	
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	76.3	69.0	69.0	25.1	0.0	0.0	0.0	
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	76.3	69.0	69.0	25.1	0.0	0.0	0.0	
Sub Total ==>	919	144	32.76	996	53.36	-816	-1,220	55.09											
Internal Loads																			
Lights	349	87	13.47	349	18.72	0	0	0.00	0	0	0.00	76.3	69.0	69.0	25.1	0.0	0.0	0.0	
People	450	0	13.87	250	13.39	0	0	0.00	0	0	0.00	76.3	69.0	69.0	25.1	0.0	0.0	0.0	
Misc	230	0	7.10	230	12.34	0	0	0.00	0	0	0.00	76.3	69.0	69.0	25.1	0.0	0.0	0.0	
Sub Total ==>	1,030	87	34.44	830	44.46	0	0	0.00											
Ceiling Load																			
Lights	53	-53	0.00	41	2.18	-44	0	0.00	0	0	0.00	76.3	69.0	69.0	25.1	0.0	0.0	0.0	
Ventilation Load	0	0	33.65	0	0.00	0	-1,264	57.09	0	0	0.00	76.3	69.0	69.0	25.1	0.0	0.0	0.0	
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	76.3	69.0	69.0	25.1	0.0	0.0	0.0	
Exhaust Heat		-28	-0.85			23	-1.02		0	0	0.00	76.3	69.0	69.0	25.1	0.0	0.0	0.0	
Sup. Fan Heat		0	0.00			0	0.00		0	0	0.00	76.3	69.0	69.0	25.1	0.0	0.0	0.0	
Ret. Fan Heat		0	0.00			-84	3.80		0	0	0.00	76.3	69.0	69.0	25.1	0.0	0.0	0.0	
Duct Heat Pkup		0	0.00			0	0.00		0	0	0.00	76.3	69.0	69.0	25.1	0.0	0.0	0.0	
Reheat at Design		0	0.00			331	-14.95		0	0	0.00	76.3	69.0	69.0	25.1	0.0	0.0	0.0	
Grand Total ==>	2,002	150	100.00	1,867	100.00	-860	-2,215	100.00											

AIRFLOWS					ENGINEERING CKS		
	Cooling	Heating			Cooling	Heating	
Vent	20	20		% OA	23.5	78.4	
Infil	0	0		cfm/ft²	0.63	0.19	
Supply	85	26		cfm/ton	314.57		
MinStop/Rh	26	26		ft³/ton	499.41		
Return	85	26		Btu/hr-ft²	24.03	-16.41	
Exhaust	20	20		No. People	1		
Rm Exh	0	0					
Auxil	0	0					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg							
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F							
Main Clg	0.3	3.2	2.3	82	79.8	66.8	78.3	55.2	54.1	61.1	Floor	135					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0					
Total	0.3	3.2									Roof	135	0	0			
											Wall	90	46	52			
											Main Htg	-1.3	26	55.2	100.4		
											Aux Htg	0.0	0	0.0	0.0		
											Preheat	-0.9	20	13.0	55.2		
											Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-2.2					

Room Checksums

By ae

345-LAB RECEPTION

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 6 / 18		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 84		OADB: 13			SADB		Plenum		Return			
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Fn MtrTD	Fn BldTD	Fn Frict			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0			
Roof Cond	0	138	1.77	0	0.00	0	-319	6.12	0	0	0.00	0.0	0.0	0.0			
Glass Solar	698	0	8.92	873	33.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0			
Glass Cond	215	0	2.75	118	4.47	-786	-786	15.10	0	0	0.00	0.0	0.0	0.0			
Wall Cond	6	19	0.32	4	0.16	-30	-147	2.83	0	0	0.00	0.0	0.0	0.0			
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0			
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0			
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0			
Sub Total ==>	919	158	1,077	13.76	996	37.63	-816	-1,252	24.06								
Internal Loads																	
Lights	349	87	437	5.58	349	13.20	0	0	0.00	0	0.00	0.0	0.0	0.0			
People	1,800	0	1,800	23.00	1,000	37.79	0	0	0.00	0	0.00	0.0	0.0	0.0			
Misc	256	0	256	3.27	256	9.67	0	0	0.00	0	0.00	0.0	0.0	0.0			
Sub Total ==>	2,405	87	2,493	31.85	1,605	60.66	0	0	0.00								
Ceiling Load																	
Lights	59	-59	0	0.00	45	1.71	-49	0	0.00	0	0.00	0.0	0.0	0.0			
Ventilation Load	0	0	4,367	55.80	0	0.00	0	-2,287	43.95	0	0.00	0.0	0.0	0.0			
Ov/Undr Sizing	0	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0.0	0.0	0.0			
Exhaust Heat	0	-111	-111	-1.42	0	0.00	41	-0.79	0.00	0	0.00	0.0	0.0	0.0			
Sup. Fan Heat	0	0	0	0.00	0	0.00	-2,052	39.43	0	0.00	0.00	0.0	0.0	0.0			
Ret. Fan Heat	0	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0.0	0.0	0.0			
Duct Heat PkUp	0	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0.0	0.0	0.0			
Reheat at Design	0	0	0	0.00	0	0.00	346	-6.65	0.00	0	0.00	0.0	0.0	0.0			
Grand Total ==>	3,383	75	7,825	100.00	2,647	100.00	-865	-5,203	100.00								

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.7	7.8	4.1	118	86.3	72.9	101.4	55.2	52.9	56.2	Floor	-1.5	36	55.2	91.6		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	-3.7	80	13.0	55.2		
Total	0.7	7.8									Roof	0.0	0	0.0	0.0		
											Wall	0.0	0	0.0	0.0		
											Total	-5.2					

Room Checksums

By ae

346-LAC COMPUTER LAB

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 6 / 18					Mo/Hr: 13 / 1							
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 84					OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)				SADB	Cooling	Heating			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h										
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00					
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00					
Roof Cond	0	853	2.07	0	0.00	0	-1,965	7.33	Roof Cond	0	-1,965	7.33					
Glass Solar	4,187	0	10.15	5,240	32.53	0	0	0.00	Glass Solar	0	0	0.00					
Glass Cond	1,292	0	3.13	710	4.41	-4,716	-4,716	17.59	Glass Cond	-4,716	-4,716	17.59					
Wall Cond	72	138	0.51	55	0.34	-389	-1,220	4.55	Wall Cond	-389	-1,220	4.55					
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00					
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00					
Sub Total ==>	5,550	992	15.86	6,005	37.28	-5,105	-7,901	29.48	Sub Total ==>	-5,105	-7,901	29.48					
Internal Loads																	
Lights	3,495	874	10.59	3,495	21.70	0	0	0.00	Lights	0	0	0.00					
People	8,550	0	20.72	4,750	29.49	0	0	0.00	People	0	0	0.00					
Misc	1,579	0	3.83	1,579	9.80	0	0	0.00	Misc	0	0	0.00					
Sub Total ==>	13,624	874	35.14	9,824	60.99	0	0	0.00	Sub Total ==>	0	0	0.00					
Ceiling Load																	
Lighting	366	-366	0.00	279	1.73	-300	0	0.00	Lighting	-300	0	0.00					
Ventilation Load	0	0	50.28	0	0.00	0	-13,917	51.92	Ventilation Load	0	-13,917	51.92					
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat	0	-526	-1.28	0	0.00	0	250	-0.93	Exhaust Heat	0	250	-0.93					
Sup. Fan Heat	0	0	0.00	0	0.00	0	-7,482	27.91	OA Preheat Diff.	0	-7,482	27.91					
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	RA Preheat Diff.	0	0	0.00					
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	Additional Reheat	0	0	0.00					
Reheat at Design	0	0	0.00	0	0.00	0	2,246	-8.38	System Plenum Heat	0	2,246	-8.38					
Grand Total ==>	19,540	973	41,256	100.00	16,108	100.00	-5,405	-26,805	100.00	Grand Total ==>	-5,405	-26,805	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.		Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F	
Main Clg	3.4	41.3	23.5	717	84.1	70.9	93.5	55.2	53.2	57.5	Floor	925	-9.0	220	55.2	92.1	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	-17.8	380	13.0	55.2	
Total	3.4	41.3									Roof	925	0.0	0	0.0	0.0	
											Wall	639	278	44	0.0	0.0	
											Total	-26.8					

Room Checksums

By ae

347-LARGE TUTORING LAB

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 21				Mo/Hr: 13 / 1								
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 80				OADB: 13								
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total									
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)									
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS					
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Skylite Cond	0	0.00	COOLING		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Roof Cond	0	8.02	HEATING		
Roof Cond	0	1,827	2.08	0	0.00	Roof Cond	0	8.02	Roof Cond	0	8.02	Exposed Floor	0	0.00	Vent	1,000	304
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Glass Solar	0	0.00	Infiltration	0	0.00	Infil	0	0
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	Glass Cond	0	0.00	Sub Total ==>	0	0.00	Supply	1,014	304
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	Wall Cond	0	0.00	MinStop/Rh	304	304	Return	1,014	304
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00	Exhaust	1,000	304	Rm Exh	0	0
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00	Sub Total ==>	0	0.00	Auxil	0	0
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	Infiltration	0	0.00	ENGINEERING CKS					
Sub Total ==>	0	1,827	2.08	0	0.00	Sub Total ==>	0	8.02	Sub Total ==>	0	8.02	% OA	98.6	100.0			
Internal Loads					Internal Loads			Internal Loads				% OA	98.6	100.0			
Lights	5,590	1,398	6,988	7.95	5,590	25.12	Lights	0	0.00	Lights	0	0.00	cfm/ft²	0.51	0.15		
People	22,500	0	22,500	25.60	12,500	56.17	People	0	0.00	People	0	0.00	cfm/ton	138.41			
Misc	3,379	0	3,379	3.84	3,379	15.18	Misc	0	0.00	Misc	0	0.00	ft³/ton	270.33			
Sub Total ==>	31,469	1,398	32,866	37.39	21,469	96.48	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Btu/hr-ft²	44.39	-26.49		
Ceiling Load					Ceiling Load			Ceiling Load				No. People	50				
Lights	784	-784	0	0.00	597	2.68	Lights	0	0.00	Lights	-642	0.00					
Ventilation Load	0	0	54,584	62.10	0	0.00	Ventilation Load	0	36.66	Ventilation Load	0	36.66					
Ov/Undr Sizing	0	0	0	0.00	186	0.84	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00					
Exhaust Heat		-1,385	-1,385	-1.58			Exhaust Heat		-0.66	Exhaust Heat		-0.66					
Sup. Fan Heat		0	0	0.00			OA Preheat Diff.		62.11	OA Preheat Diff.		62.11					
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		0.00	RA Preheat Diff.		0.00					
Duct Heat Pkup		0	0	0.00			Additional Reheat		0.00	Additional Reheat		0.00					
Reheat at Design		0	0	0.00			System Plenum Heat		-6.14	System Plenum Heat		-6.14					
Grand Total ==>	32,252	1,056	87,892	100.00	22,252	100.00	Grand Total ==>	-642	100.00	Grand Total ==>	-642	-52,443					

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	7.3	87.9	41.1	1,014	90.8	76.8	117.6	55.2	51.5	51.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	7.3	87.9								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	1,980		
Part	0		
ExFlr	0		
Roof	1,980	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-5.6	304	55.2	71.9
Aux Htg	0.0	0	0.0	0.0
Preheat	-46.8	1,000	13.0	55.2
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-52.4			

Room Checksums

By ae

348-ADMIN 23

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 17					Mo/Hr: 7 / 17					Mo/Hr: 13 / 1							
Outside Air: OADB/WB/HR: 89 / 75 / 107					OADB: 89					OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total			Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total		SADB	Cooling	Heating		
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)			Btu/h	Btu/h	(%)						
Envelope Loads																	
Skylite Solar	0	0	0.00		0	0.00			0	0	0.00		Skylite Solar	55.2	81.3		
Skylite Cond	0	0	0.00		0	0.00			0	0	0.00		Plenum	76.3	69.0		
Roof Cond	0	166	2.63		0	0.00			0	-266	9.10		Return	76.3	69.0		
Glass Solar	3,959	0	62.60		3,959	78.85			0	0	0.00		Ret/OA	77.4	52.7		
Glass Cond	191	0	3.02		191	3.80			-786	-786	26.93		Fn MtrTD	0.0	0.0		
Wall Cond	9	32	0.64		9	0.17			-30	-147	5.04		Fn BldTD	0.0	0.0		
Partition	0	0	0.00		0	0.00			0	0	0.00		Fn Frict	0.0	0.0		
Exposed Floor	0	0	0.00		0	0.00			0	0	0.00						
Infiltration	0	0	0.00		0	0.00			0	0	0.00						
Sub Total ==>	4,159	198	68.89		4,159	82.83			-816	-1,199	41.07						
Internal Loads																	
Lights	349	87	6.91		349	6.96			0	0	0.00						
People	450	0	7.11		250	4.98			0	0	0.00						
Misc	213	0	3.37		213	4.25			0	0	0.00						
Sub Total ==>	1,013	87	17.39		813	16.19			0	0	0.00						
Ceiling Load																	
Lights	49	-49	0.00		38	0.75			-41	0	0.00						
Ventilation Load	0	0	14.16		0	0.00			0	-1,264	43.32						
Ov/Undr Sizing	0	0	0.00		12	0.23			0	0	0.00						
Exhaust Heat		-28	-0.44							23	-0.78						
Sup. Fan Heat		0	0.00							0	0.00						
Ret. Fan Heat		0	0.00							-743	25.44						
Duct Heat Pkup		0	0.00							0	0.00						
Reheat at Design		0	0.00							264	-9.05						
Grand Total ==>	5,221	208	100.00		5,021	100.00			-857	-2,919	100.00						

AIRFLOWS																
Vent																
Infil																
Supply																
MinStop/Rh																
Return																
Exhaust																
Rm Exh																
Auxil																

ENGINEERING CKS																
% OA																
cfm/ft²																
cfm/ton																
ft³/ton																
Btu/hr-ft²																
No. People																

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR		Gross Total	Glass			Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb			ft² (%)			MBh	cfm	°F	°F				
Main Clg	0.5	6.3	5.5	229	77.4 64.2 69.1	55.2	55.0	64.8		-2.0	69	55.2	81.3				
Aux Clg	0.0	0.0	0.0	0	0.0 0.0 0.0	0.0	0.0	0.0		0.0	0	0.0	0.0				
Opt Vent	0.0	0.0	0.0	0	0.0 0.0 0.0	0.0	0.0	0.0		-0.9	20	13.0	55.2				
Total	0.5	6.3									0.0	0	0.0				
											0.0	0	0.0				
											0.0	0	0.0				
											Total	-2.9					

Room Checksums

By ae

349-ADMIN 24

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 17					Mo/Hr: 7 / 17					Mo/Hr: 13 / 1							
Outside Air: OADB/WB/HR: 89 / 75 / 107					OADB: 89					OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)				SADB	Cooling	Heating			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h										
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00	55.2	81.3			
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00	76.3	69.0			
Roof Cond	0	179	2.82	0	0.00	0	-287	9.80	Roof Cond	0	-287	9.80	76.3	69.0			
Glass Solar	3,959	0	62.30	3,959	78.52	0	0	0.00	Glass Solar	0	0	0.00	77.4	52.7			
Glass Cond	191	0	3.00	191	3.79	-786	-786	26.85	Glass Cond	-786	-786	26.85	0.0	0.0			
Wall Cond	9	32	0.64	9	0.17	-30	-147	5.03	Wall Cond	-30	-147	5.03	0.0	0.0			
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00	0.0	0.0			
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00	0.0	0.0			
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00	0.0	0.0			
Sub Total ==>	4,159	211	68.77	4,159	82.48	-816	-1,220	41.69	Sub Total ==>	-816	-1,220	41.69	0.0	0.0			
Internal Loads																	
Lights	349	87	6.87	349	6.93	0	0	0.00	Lights	0	0	0.00	230	69			
People	450	0	7.08	250	4.96	0	0	0.00	People	0	0	0.00	69	69			
Misc	230	0	3.62	230	4.57	0	0	0.00	Misc	0	0	0.00	230	69			
Sub Total ==>	1,030	87	17.58	830	16.46	0	0	0.00	Sub Total ==>	0	0	0.00	20	20			
Ceiling Load																	
Lights	53	-53	0.00	41	0.81	-44	0	0.00	Lights	-44	0	0.00	0	0			
Ventilation Load	0	0	14.09	0	0.00	0	-1,264	43.20	Ventilation Load	0	-1,264	43.20	20	20			
Ov/Undr Sizing	0	0	0.00	13	0.25	0	0	0.00	Ov/Undr Sizing	0	0	0.00	0	0			
Exhaust Heat		-28	-0.44				23	-0.78	Exhaust Heat		23	-0.78	230	69			
Sup. Fan Heat		0	0.00				0	0.00	OA Preheat Diff.		0	0.00	20	20			
Ret. Fan Heat		0	0.00				-747	25.52	RA Preheat Diff.		-747	25.52	0	0			
Duct Heat Pkup		0	0.00				0	0.00	Additional Reheat		0	0.00	0	0			
Reheat at Design		0	0.00				282	-9.63	System Plenum Heat		282	-9.63	0	0			
Grand Total ==>	5,242	218	100.00	5,042	100.00	-860	-2,927	100.00	Grand Total ==>	-860	-2,927	100.00	0	0			

AIRFLOWS														
Cooling Heating														
Cooling Heating														
Vent														
Infil														
Supply														
MinStop/Rh														
Return														
Exhaust														
Rm Exh														
Auxil														

ENGINEERING CKS														
Cooling Heating														
% OA														
cfm/ft²														
cfm/ton														
ft²/ton														
Btu/hr-ft²														
No. People														

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total			Glass	Capacity	Coil Airflow	Ent	Lvg					
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb			ft² (%)	MBh	cfm	°F	°F						
Main Clg	0.5	6.4	230 77.4 64.1 69.1	55.2 55.0 64.7	Floor	135		Main Htg	-2.0	69	55.2	81.3					
Aux Clg	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	Part	0		Aux Htg	0.0	0	0.0	0.0					
Opt Vent	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	ExFlr	0		Preheat	-0.9	20	13.0	55.2					
Total	0.5	6.4			Roof	135	0 0	Humidif	0.0	0	0.0	0.0					
					Wall	90	46 52	Opt Vent	0.0	0	0.0	0.0					
								Total	-2.9								

Room Checksums

By ae

350-ADMIN 25

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 17					Mo/Hr: 7 / 17					Mo/Hr: 13 / 1							
Outside Air: OADB/WB/HR: 89 / 75 / 107					OADB: 89					OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)				SADB	Cooling	Heating			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h										
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00	55.2	81.3			
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00	76.3	69.0			
Roof Cond	0	179	2.82	0	0.00	0	-287	9.80	Roof Cond	0	-287	9.80	76.3	69.0			
Glass Solar	3,959	0	62.30	3,959	78.52	0	0	0.00	Glass Solar	0	0	0.00	77.4	52.7			
Glass Cond	191	0	3.00	191	3.79	-786	-786	26.85	Glass Cond	-786	-786	26.85	0.0	0.0			
Wall Cond	9	32	0.64	9	0.17	-30	-147	5.03	Wall Cond	-30	-147	5.03	0.0	0.0			
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00	0.0	0.0			
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00	0.0	0.0			
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00	0.0	0.0			
Sub Total ==>	4,159	211	68.77	4,159	82.48	-816	-1,220	41.69	Sub Total ==>	-816	-1,220	41.69	0.0	0.0			
Internal Loads																	
Lights	349	87	6.87	349	6.93	0	0	0.00	Lights	0	0	0.00	230	69			
People	450	0	7.08	250	4.96	0	0	0.00	People	0	0	0.00	69	69			
Misc	230	0	3.62	230	4.57	0	0	0.00	Misc	0	0	0.00	230	69			
Sub Total ==>	1,030	87	17.58	830	16.46	0	0	0.00	Sub Total ==>	0	0	0.00	20	20			
Ceiling Load																	
Lights	53	-53	0.00	41	0.81	-44	0	0.00	Lights	-44	0	0.00	0	0			
Ventilation Load	0	0	14.09	0	0.00	0	-1,264	43.20	Ventilation Load	0	-1,264	43.20	20	20			
Ov/Undr Sizing	0	0	0.00	13	0.25	0	0	0.00	Ov/Undr Sizing	0	0	0.00	0	0			
Exhaust Heat		-28	-0.44				23	-0.78	Exhaust Heat		23	-0.78	230	69			
Sup. Fan Heat		0	0.00				0	0.00	OA Preheat Diff.		0	0.00	20	20			
Ret. Fan Heat		0	0.00				-747	25.52	RA Preheat Diff.		-747	25.52	0	0			
Duct Heat Pkup		0	0.00				0	0.00	Additional Reheat		0	0.00	0	0			
Reheat at Design		0	0.00				282	-9.63	System Plenum Heat		282	-9.63	0	0			
Grand Total ==>	5,242	218	100.00	5,042	100.00	-860	-2,927	100.00	Grand Total ==>	-860	-2,927	100.00	0	0			

AIRFLOWS														
Cooling														
Heating														
Vent	20	20												
Infil	0	0												
Supply	230	69												
MinStop/Rh	69	69												
Return	230	69												
Exhaust	20	20												
Rm Exh	0	0												
Auxil	0	0												

ENGINEERING CKS														
Cooling														
Heating														
% OA	8.7	29.0												
cfm/ft²	1.70	0.51												
cfm/ton	433.75													
ft³/ton	254.90													
Btu/hr-ft²	47.08	-21.68												
No. People	1													

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.5	6.4	230	77.4	64.1	69.1	55.2	55.0	64.7	Floor	135	-2.0	69	55.2	81.3		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	-0.9	20	13.0	55.2		
Total	0.5	6.4								Roof	135	0.0	0	0.0	0.0		
										Wall	90	0.0	0	0.0	0.0		
										Total	-2.9						

Room Checksums

By ae

351-ASSISTANT DIRECTOR 9

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 7 / 17		Mo/Hr: 13 / 1										
Outside Air:		OADB/WB/HR: 89 / 75 / 107			OADB: 89		OADB: 13										
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	SADB	Cooling	Heating			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	55.2	80.7				
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	76.3	69.0				
Roof Cond	0	179	2.34	0	0.00	0	-287	7.32	0	0	0.00	76.3	69.0				
Glass Solar	3,959	0	51.60	3,959	74.81	0	0	0.00	0	0	0.00	78.4	38.0				
Glass Cond	191	0	2.49	191	3.61	-786	-786	20.05	0	0	0.00	0.0	0.0				
Wall Cond	9	32	0.53	9	0.17	-30	-147	3.76	0	0	0.00	0.0	0.0				
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0				
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0				
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0				
Sub Total ==>	4,159	211	56.96	4,159	78.59	-816	-1,220	31.13	4,159	211	56.96						
Internal Loads																	
Lights	349	87	5.69	349	6.60	0	0	0.00	0	0	0.00						
People	900	0	11.73	500	9.45	0	0	0.00	0	0	0.00						
Misc	230	0	3.00	230	4.35	0	0	0.00	0	0	0.00						
Sub Total ==>	1,480	87	20.42	1,080	20.40	0	0	0.00	0	0	0.00						
Ceiling Load																	
Lights	53	-53	0.00	41	0.77	-44	0	0.00	0	0	0.00						
Ventilation Load	0	0	23.34	0	0.00	0	-2,529	64.52	0	0	0.00						
Ov/Undr Sizing	0	0	0.00	13	0.24	0	0	0.00	0	0	0.00						
Exhaust Heat		-55	-0.72				45	-1.16									
Sup. Fan Heat		0	0.00				0	0.00									
Ret. Fan Heat		0	0.00				-494	12.60									
Duct Heat Pkup		0	0.00				0	0.00									
Reheat at Design		0	0.00				278	-7.09									
Grand Total ==>	5,692	190	100.00	5,292	100.00	-860	-3,919	100.00	5,692	190	100.00						

AIRFLOWS			ENGINEERING CKS		
	Cooling	Heating		Cooling	Heating
Vent	40	40	% OA	16.6	55.3
Infil	0	0	cfm/ft²	1.79	0.54
Supply	241	72	cfm/ton	377.07	
MinStop/Rh	72	72	ft³/ton	211.13	
Return	241	72	Btu/hr-ft²	56.84	-29.03
Exhaust	40	40	No. People	2	
Rm Exh	0	0			
Auxil	0	0			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F			
Main Clg	0.6	7.7	6.1	241	78.4	65.2	72.4	55.2	54.8	63.7		Main Htg	-2.1	72	55.2	80.7		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0		Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0		Preheat	-1.9	40	13.0	55.2		
Total	0.6	7.7										Humidif	0.0	0	0.0	0.0		
												Opt Vent	0.0	0	0.0	0.0		
												Total	-3.9					

Room Checksums

By ae

352-LAC WRITE LAB

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 11 / 14		Mo/Hr: 13 / 1											
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 65		OADB: 65					OADB: 13						
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Coil Peak	Percent	SADB	Cooling	Heating				
+ Lat.	+ Lat	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens	Of Total	Btu/h	Btu/h	(%)	Plenum						
Btu/h	Btu/h											Return						
												Ret/OA						
												Fn MtrTD						
												Fn BldTD						
												Fn Frict						
Envelope Loads																		
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00				
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00				
Roof Cond	0	304	0.89	0	0.00	0	-701	3.18	0	-701	3.18	0	0	0.00				
Glass Solar	5,686	0	16.62	9,802	64.88	0	0	0.00	0	0	0.00	0	0	0.00				
Glass Cond	646	0	1.89	-404	-2.67	0	-2,358	10.69	0	-2,358	10.69	0	0	0.00				
Wall Cond	75	115	0.56	-76	-0.50	0	-289	3.46	0	-763	3.46	0	0	0.00				
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00				
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00				
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00				
Sub Total ==>	6,407	419	19.95	9,322	61.70	-2,647	-3,822	17.33										
Internal Loads																		
Lights	874	219	3.19	874	5.78	0	0	0.00	0	0	0.00	0	0	0.00				
People	7,650	0	22.36	4,250	28.13	0	0	0.00	0	0	0.00	0	0	0.00				
Misc	563	0	1.65	563	3.73	0	0	0.00	0	0	0.00	0	0	0.00				
Sub Total ==>	9,087	219	27.19	5,687	37.64	0	0	0.00										
Ceiling Load																		
Lights	131	-131	0.00	100	0.66	-107	0	0.00	0	0	0.00	0	0	0.00				
Ventilation Load	0	0	54.23	0	0.00	0	-13,054	59.18	0	0	0.00	0	0	0.00				
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00				
Exhaust Heat	0	-471	-1.38	0	0.00	0	234	-1.06	0	0	0.00	0	0	0.00				
Sup. Fan Heat	0	0	0.00	0	0.00	0	-6,249	28.33	0	0	0.00	0	0	0.00				
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00				
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00				
Reheat at Design	0	0	0.00	0	0.00	0	834	-3.78	0	0	0.00	0	0	0.00				
Grand Total ==>	15,625	36	100.00	15,108	100.00	-2,754	-22,057	100.00										

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total		Glass	Capacity		Coil Airflow	Ent	Lvg					
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb	ft²	ft²	ft² (%)	MBh	cfm	°F	°F	°F	°F				
Main Clg	2.9	34.2	18.3	557	85.3	72.0	97.7	55.2	53.3	58.1	-6.1	207	55.2	82.0			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	-15.9	340	13.0	55.2			
Total	2.9	34.2															

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total		Glass	Capacity		Coil Airflow	Ent	Lvg					
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb	ft²	ft²	ft² (%)	MBh	cfm	°F	°F	°F	°F				
Main Htg	-6.1	207	55.2	82.0													
Aux Htg	0.0	0	0.0	0.0													
Preheat	-15.9	340	13.0	55.2													
Humidif	0.0	0	0.0	0.0													
Opt Vent	0.0	0	0.0	0.0													
Total	-22.1																

Room Checksums

By ae

353-ASSISTANT DIRECTOR 10

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 13			Mo/Hr: 11 / 12		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 86 / 73 / 101			OADB: 61		OADB: 13			SADB		Plenum		Return			
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak	Percent Of Total	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	76.3	0.0	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	76.3	0.0	0.0	0.0		
Roof Cond	0	39	0.67	0	0.00	0	-287	7.29	0	0	0.00	78.3	0.0	0.0	0.0		
Glass Solar	2,643	0	45.33	4,426	82.77	0	0	0.00	0	0	0.00		0.0	0.0	0.0		
Glass Cond	141	0	2.42	-194	-3.63	-786	-786	19.99	-786	-786	19.99		0.0	0.0	0.0		
Wall Cond	5	18	0.41	-5	-0.10	-30	-147	3.75	-30	-147	3.75		0.0	0.0	0.0		
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00		0.0	0.0	0.0		
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00		0.0	0.0	0.0		
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00		0.0	0.0	0.0		
Sub Total ==>	2,789	57	48.83	4,227	79.05	-816	-1,220	31.03	-816	-1,220	31.03						
Internal Loads																	
Lights	349	87	7.49	349	6.53	0	0	0.00	0	0	0.00						
People	900	0	15.44	500	9.35	0	0	0.00	0	0	0.00						
Misc	230	0	3.95	230	4.31	0	0	0.00	0	0	0.00						
Sub Total ==>	1,480	87	26.89	1,080	20.19	0	0	0.00	0	0	0.00						
Ceiling Load																	
Lights	53	-53	0.00	41	0.76	-44	0	0.00	-44	0	0.00						
Ventilation Load	0	0	25.23	0	0.00	0	-2,529	64.32	0	-2,529	64.32						
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Exhaust Heat		-55	-0.95				45	-1.15		45	-1.15						
Sup. Fan Heat		0	0.00				0	0.00		0	0.00						
Ret. Fan Heat		0	0.00				-505	12.85		-505	12.85						
Duct Heat PkUp		0	0.00				0	0.00		0	0.00						
Reheat at Design		0	0.00				277	-7.05		277	-7.05						
Grand Total ==>	4,323	36	100.00	5,347	100.00	-860	-3,931	100.00	-860	-3,931	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg							
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F							
Main Clg	0.5	5.8	4.4	179	78.3	65.4	73.5	55.2	54.7	63.6	Main Htg	-2.1	73	55.2	80.6		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-1.9	40	13.0	55.2		
Total	0.5	5.8									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-3.9					

Room Checksums

By ae

354-SMALL TUTORING 1

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 11 / 12		Mo/Hr: 13 / 1			Cooling		Heating						
Outside Air:		OADB/WB/HR: 91 / 76 / 114			OADB: 61		OADB: 61			OADB: 13								
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	SADB	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads					Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	0	0	0.00	79.7						
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	0	0	0.00	69.0						
Roof Cond	0	101	1.19	0	0.00	Roof Cond	0	5.02	0	-297	5.02	69.0						
Glass Solar	1,735	0	20.34	4,426	75.56	Glass Solar	0	0.00	0	0	0.00	69.0						
Glass Cond	209	0	2.45	-194	-3.31	Glass Cond	-786	13.28	0	-786	13.28	69.0						
Wall Cond	7	23	0.35	-5	-0.09	Wall Cond	-30	2.49	0	-147	2.49	13.0						
Partition	0	0	0.00	0	0.00	Partition	0	0.00	0	0	0.00	0.0						
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	0	0	0.00	0.0						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	0	0	0.00	0.0						
Sub Total ==>	1,950	124	24.32	4,227	72.16	Sub Total ==>	-816	20.79	-1,231	20.79								
Internal Loads					Internal Loads					Internal Loads								
Lights	349	87	5.12	349	5.96	Lights	0	0.00	0	0	0.00	80						
People	1,800	0	21.11	1,000	17.07	People	0	0.00	0	0	0.00	0						
Misc	239	0	2.80	239	4.08	Misc	0	0.00	0	0	0.00	267						
Sub Total ==>	2,388	87	29.03	1,588	27.12	Sub Total ==>	0	0.00	0	0	0.00	80						
Ceiling Load					Ceiling Load					Ceiling Load								
Ventilation Load	55	-55	0.00	42	0.72	Ventilation Load	-45	0.00	0	0	0.00	80						
Ov/Undr Sizing	0	0	47.94	0	0.00	Ov/Undr Sizing	0	85.43	0	-5,057	85.43	80						
Exhaust Heat	0	-111	0.00	0	0.00	Exhaust Heat	0	0.00	0	91	-1.53	80						
Sup. Fan Heat	0	0	-1.30	0	0.00	OA Preheat Diff.	0	0.00	0	0	0.00	80						
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	-1	0.01	0	-1	0.01	80						
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	0	0.00	0	0	0.00	80						
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	278	-4.70	0	278	-4.70	80						
Grand Total ==>	4,394	46	100.00	5,857	100.00	Grand Total ==>	-862	100.00	-5,920	100.00								

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg							
ton	MBh	MBh	cfm °F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F							
Main Clg	0.7	8.5	5.0	164	83.2	69.9	89.2	55.2	53.7	59.6	Floor	140					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0					
Total	0.7	8.5									Roof	140	0	0			
											Wall	90	46	52			
											Main Htg	-2.2	80	55.2	79.7		
											Aux Htg	0.0	0	0.0	0.0		
											Preheat	-3.7	80	13.0	55.2		
											Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-5.9					

Room Checksums

By ae

355-SMALL TUTORING 2

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 14		Mo/Hr: 11 / 12		Mo/Hr: 13 / 1						Cooling		Heating		
Outside Air:		OADB/WB/HR: 91 / 76 / 114		OADB: 61		OADB: 61						SADB		79.7		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)			Plenum		69.0			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h				Return		69.0			
Envelope Loads																
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00			Ret/OA		13.0			
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00			Fn MtrTD		0.0			
Roof Cond	0	101	1.19	0	0.00	0	-297	5.02			Fn BldTD		0.0			
Glass Solar	1,735	0	20.34	4,426	75.56	0	0	0.00			Fn Frict		0.0			
Glass Cond	209	0	2.45	-194	-3.31	-786	-786	13.28								
Wall Cond	7	23	0.35	-5	-0.09	-30	-147	2.49								
Partition	0	0	0.00	0	0.00	0	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00								
Infiltration	0	0	0.00	0	0.00	0	0	0.00								
Sub Total ==>	1,950	124	24.32	4,227	72.16	-816	-1,231	20.79								
Internal Loads																
Lights	349	87	5.12	349	5.96	0	0	0.00								
People	1,800	0	21.11	1,000	17.07	0	0	0.00								
Misc	239	0	2.80	239	4.08	0	0	0.00								
Sub Total ==>	2,388	87	29.03	1,588	27.12	0	0	0.00								
Ceiling Load																
Lights	55	-55	0.00	42	0.72	-45	0	0.00								
Ventilation Load	0	0	47.94	0	0.00	0	-5,057	85.43								
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00								
Exhaust Heat		-111	-1.30				91	-1.53								
Sup. Fan Heat		0	0.00				0	0.00								
Ret. Fan Heat		0	0.00				-1	0.01								
Duct Heat Pkup		0	0.00				0	0.00								
Reheat at Design		0	0.00				278	-4.70								
Grand Total ==>	4,394	46	100.00	5,857	100.00	-862	-5,920	100.00								

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.7	8.5	5.0	164	83.2	69.9	89.2	55.2	53.7	59.6	Floor	-2.2	80	55.2	79.7		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	-3.7	80	13.0	55.2		
Total	0.7	8.5									Roof	0.0	0	0.0	0.0		
											Wall	0.0	0	0.0	0.0		
											Total	-5.9					

Room Checksums

By ae

356-SMALL TUTORING 3

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 11 / 12		Mo/Hr: 13 / 1										
Outside Air:		OADB/WB/HR: 91 / 76 / 114			OADB: 61		OADB: 13										
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak	Percent Of Total	SADB	Cooling	Heating			
+ Lat.	+ Lat.	Btu/h	(%)	Btu/h	(%)	Space Sens	Tot Sens	(%)	Btu/h	Btu/h	(%)	Plenum					
Btu/h	Btu/h											Return					
												Ret/OA					
												Fn MtrTD					
												Fn BldTD					
												Fn Frict					
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			
Roof Cond	0	101	1.19	0	0.00	0	-297	5.02	0	0	0.00	0	0	0.00			
Glass Solar	1,735	0	20.34	4,426	75.56	0	0	0.00	0	0	0.00	0	0	0.00			
Glass Cond	209	0	2.45	-194	-3.31	-786	-786	13.28	-786	-786	13.28	0	0	0.00			
Wall Cond	7	23	0.35	-5	-0.09	-30	-147	2.49	-30	-147	2.49	0	0	0.00			
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			
Sub Total ==>	1,950	124	24.32	4,227	72.16	-816	-1,231	20.79	-816	-1,231	20.79						
Internal Loads																	
Lights	349	87	5.12	349	5.96	0	0	0.00	0	0	0.00	0	0	0.00			
People	1,800	0	21.11	1,000	17.07	0	0	0.00	0	0	0.00	0	0	0.00			
Misc	239	0	2.80	239	4.08	0	0	0.00	0	0	0.00	0	0	0.00			
Sub Total ==>	2,388	87	29.03	1,588	27.12	0	0	0.00	0	0	0.00						
Ceiling Load																	
Lights	55	-55	0.00	42	0.72	-45	0	0.00	-45	0	0.00	0	0	0.00			
Ventilation Load	0	0	47.94	0	0.00	0	-5,057	85.43	0	-5,057	85.43	0	0	0.00			
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			
Exhaust Heat	0	-111	-1.30	0	0.00	0	91	-1.53	0	91	-1.53	0	0	0.00			
Sup. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			
Ret. Fan Heat	0	0	0.00	0	0.00	0	-1	0.01	0	-1	0.01	0	0	0.00			
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00			
Reheat at Design	0	0	0.00	0	0.00	0	278	-4.70	0	278	-4.70	0	0	0.00			
Grand Total ==>	4,394	46	100.00	5,857	100.00	-862	-5,920	100.00	-862	-5,920	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total		Glass		Capacity	Coil Airflow	Ent	Lvg					
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)		ft² (%)	MBh	cfm	°F	°F					
Main Clg	0.7	8.5	5.0	164	83.2	69.9	89.2	55.2	53.7	59.6	-2.2	80	55.2	79.7			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	-3.7	80	13.0	55.2			
Total	0.7	8.5									0.0	0	0.0	0.0			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total		Glass		Capacity	Coil Airflow	Ent	Lvg					
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)		ft² (%)	MBh	cfm	°F	°F					
Main Htg	-2.2	80	55.2	79.7					0.0	0	0.0	0.0					
Aux Htg	0.0	0	0.0	0.0					-3.7	80	13.0	55.2					
Preheat	0.0	0	0.0	0.0					0.0	0	0.0	0.0					
Humidif	0.0	0	0.0	0.0					0.0	0	0.0	0.0					
Opt Vent	0.0	0	0.0	0.0					0.0	0	0.0	0.0					
Total	-5.9																

Room Checksums

By ae

357-SMALL TUTORING 4

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES						
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 11 / 12		Mo/Hr: 13 / 1														
Outside Air:		OADB/WB/HR: 91 / 76 / 114			OADB: 61		OADB: 61					OADB: 13									
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	SADB	Cooling	Heating	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)										
Envelope Loads																					
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	55.2	79.7		76.3	69.0	76.3	69.0	0.0	0.0	0.0
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	76.3	69.0		76.3	69.0	83.2	13.0	0.0	0.0	0.0
Roof Cond	0	101	1.19	0	0.00	0	-297	5.02	0	-297	5.02	83.2	13.0		83.2	13.0	0.0	0.0	0.0	0.0	0.0
Glass Solar	1,735	0	20.34	4,426	75.56	0	0	0.00	0	0	0.00	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glass Cond	209	0	2.45	-194	-3.31	-786	-786	13.28	-786	-786	13.28	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wall Cond	7	23	0.35	-5	-0.09	-30	-147	2.49	-30	-147	2.49	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sub Total ==>	1,950	124	24.32	4,227	72.16	-816	-1,231	20.79	-816	-1,231	20.79										
Internal Loads																					
Lights	349	87	5.12	349	5.96	0	0	0.00	0	0	0.00	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
People	1,800	0	21.11	1,000	17.07	0	0	0.00	0	0	0.00	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Misc	239	0	2.80	239	4.08	0	0	0.00	0	0	0.00	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sub Total ==>	2,388	87	29.03	1,588	27.12	0	0	0.00	0	0	0.00										
Ceiling Load																					
Lights	55	-55	0.00	42	0.72	-45	0	0.00	-45	0	0.00	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ventilation Load	0	0	47.94	0	0.00	0	-5,057	85.43	0	-5,057	85.43	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Exhaust Heat	0	-111	-1.30	0	0.00	0	91	-1.53	0	91	-1.53	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sup. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ret. Fan Heat	0	0	0.00	0	0.00	0	-1	0.01	0	-1	0.01	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reheat at Design	0	0	0.00	0	0.00	0	278	-4.70	0	278	-4.70	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grand Total ==>	4,394	46	100.00	5,857	100.00	-862	-5,920	100.00	-862	-5,920	100.00										

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.7	8.5	5.0	164	83.2	69.9	89.2	55.2	53.7	59.6	Floor	-2.2	80	55.2	79.7		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	-3.7	80	13.0	55.2		
Total	0.7	8.5									Roof	0.0	0	0.0	0.0		
											Wall	0.0	0	0.0	0.0		
											Total	-5.9					

Room Checksums

By ae

358-ASSISTANT DIRECTOR 11

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 13			Mo/Hr: 11 / 12		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 86 / 73 / 101			OADB: 61		OADB: 13			SADB		Plenum		Return			
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total (%)	Space Sens	Tot Sens	Percent Of Total (%)	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h							
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0.0	0.0	0.0	0.0	
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	76.3	0.0	0.0	0.0	0.0	
Roof Cond	0	40	0.69	0	0.00	0	-297	7.56	0	0	0.00	76.3	0.0	0.0	0.0	0.0	
Glass Solar	2,643	0	45.26	4,426	82.61	0	0	0.00	0	0	0.00	78.3	0.0	0.0	0.0	0.0	
Glass Cond	141	0	2.42	-194	-3.62	-786	-786	19.97	-786	-786	19.97						
Wall Cond	5	18	0.41	-5	-0.10	-30	-147	3.74	-30	-147	3.74						
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Sub Total ==>	2,789	59	48.78	4,227	78.90	-816	-1,231	31.27	-816	-1,231	31.27						
Internal Loads																	
Lights	349	87	7.48	349	6.52	0	0	0.00	0	0	0.00						
People	900	0	15.41	500	9.33	0	0	0.00	0	0	0.00						
Misc	239	0	4.09	239	4.46	0	0	0.00	0	0	0.00						
Sub Total ==>	1,488	87	26.98	1,088	20.31	0	0	0.00	0	0	0.00						
Ceiling Load																	
Lights	55	-55	0.00	42	0.79	-45	0	0.00	-45	0	0.00						
Ventilation Load	0	0	25.19	0	0.00	0	-2,529	64.26	0	-2,529	64.26						
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Exhaust Heat		-55	-0.95				45	-1.15		45	-1.15						
Sup. Fan Heat		0	0.00				0	0.00		0	0.00						
Ret. Fan Heat		0	0.00				-507	12.89		-507	12.89						
Duct Heat PkUp		0	0.00				0	0.00		0	0.00						
Reheat at Design		0	0.00				286	-7.27		286	-7.27						
Grand Total ==>	4,333	35	100.00	5,357	100.00	-862	-3,935	100.00	-862	-3,935	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR		Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	cfm	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F				
Main Clg	0.5	5.8	4.4	179	78.3	65.4	73.5	55.2	54.8	63.7	-2.1	73	55.2	80.6			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	-1.9	40	13.0	55.2			
Total	0.5	5.8									0.0	0	0.0	0.0			
											0.0	0	0.0	0.0			
											-3.9						

Room Checksums

By ae

359-TEST CENTER RECEPTION

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES							
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling			Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91			OADB: 13				SADB	55.2	72.2	Plenum	76.3	69.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	76.3	69.0	Ret/OA	84.2	13.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0	Fn BldTD	0.0	0.0		
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS							
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Vent	80	45	Infil	0	0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Supply	149	45	MinStop/Rh	45	45		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Roof Cond	0	0.00	Return	149	45	Exhaust	80	45		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Glass Solar	0	0.00	Rm Exh	0	0	Auxil	0	0		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	Glass Cond	0	0.00	ENGINEERING CKS							
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	Wall Cond	0	0.00	% OA	53.6	100.0	cfm/ft²	0.45	0.13		
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00	cfm/ton	208.46		ft²/ton	467.82			
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00	Btu/hr-ft²	25.65	-13.70	No. People	4			
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	Infiltration	0	0.00								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00								
Internal Loads					Internal Loads			Internal Loads											
Lights	1,572	393	1,965	22.87	1,572	47.99	Lights	0	0	0.00	0	0	0.00						
People	1,800		1,800	20.95	1,000	30.52	People	0	0	0.00	0	0	0.00						
Misc	572	0	572	6.65	572	17.45	Misc	0	0	0.00	0	0	0.00						
Sub Total ==>	3,944	393	4,337	50.47	3,144	95.95	Sub Total ==>	0	0	0.00	0	0	0.00						
Ceiling Load					Ceiling Load			Ceiling Load											
Ventilation Load	133	-133	0	0.00	101	3.08	Ventilation Load	-109	0	0.00	-109	0	0.00						
Ov/Undr Sizing	0	0	4,367	50.82	0	0.00	Ov/Undr Sizing	0	-2,831	61.70	0	0	0.00						
Exhaust Heat		-111	-111	-1.29	32	0.96	Exhaust Heat		51	-1.11		51	-1.11						
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-1,649	35.93		-1,649	35.93						
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00		0	0.00						
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00		0	0.00						
Reheat at Design			0	0.00			System Plenum Heat		-159	3.48		-159	3.48						
Grand Total ==>	4,077	150	8,593	100.00	3,277	100.00	Grand Total ==>	-109	-4,588	100.00									
COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg									
ton	MBh	MBh	cfm °F °F gr/lb	°F °F gr/lb	ft² (%)	ft² (%)	MBh	cfm	°F	°F									
Main Clg	0.7	8.6	4.9	149	84.2	71.0	93.8	55.2	53.3	57.9	Floor	335							
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0							
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0							
Total	0.7	8.6									Roof	0	0	0	Main Htg	-0.8	45	55.2	72.2
										Wall	0	0	0	Aux Htg	0.0	0	0.0	0.0	
													Preheat	-3.7	80	13.0	55.2		
													Humidif	0.0	0	0.0	0.0		
													Opt Vent	0.0	0	0.0	0.0		
													Total	-4.6					

Room Checksums

By ae

360-LARGE TESTING ROOM

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 9			Mo/Hr: 7 / 9		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 78 / 72 / 107			OADB: 78		OADB: 13			SADB		Plenum		Return			
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)	Space Sens	Coil Peak Tot Sens	Percent Of Total (%)	Fn MtrTD	Fn BldTD	Fn Frict			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		0.0	0.0	0.0			
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00					
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00					
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Roof Cond	0	0	0.00					
Glass Solar	33,748	0	43.23	33,748	66.35	0	0	0.00	Glass Solar	0	0	0.00					
Glass Cond	398	0	0.51	398	0.78	-7,517	-7,517	15.22	Glass Cond	-7,517	-7,517	15.22					
Wall Cond	0	181	0.23	0	0.00	0	-642	1.30	Wall Cond	0	-642	1.30					
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00					
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00					
Sub Total ==>	34,146	181	43.98	34,327	67.13	-7,517	-8,159	16.52	Sub Total ==>	-7,517	-8,159	16.52					
Internal Loads																	
Lights	5,397	1,349	8.64	6,746	10.61	0	0	0.00	Lights	0	0	0.00					
People	14,400	0	18.45	14,400	15.73	0	0	0.00	People	0	0	0.00					
Misc	2,696	0	3.45	2,696	5.30	0	0	0.00	Misc	0	0	0.00					
Sub Total ==>	22,493	1,349	30.54	23,842	31.64	0	0	0.00	Sub Total ==>	0	0	0.00					
Ceiling Load																	
Lights	625	-625	0.00	0	0.94	-512	0	0.00	Lights	-512	0	0.00					
Ventilation Load	0	0	26.62	20,776	0.00	0	-40,458	81.91	Ventilation Load	0	-40,458	81.91					
Ov/Undr Sizing	0	0	0.00	0	0.29	0	0	0.00	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat		-887	-1.14	-887			726	-1.47	Exhaust Heat		726	-1.47					
Sup. Fan Heat		0	0.00	0			0	0.00	OA Preheat Diff.		0	0.00					
Ret. Fan Heat		0	0.00	0			-843	1.71	RA Preheat Diff.		-843	1.71					
Duct Heat Pkup		0	0.00	0			0	0.00	Additional Reheat		0	0.00					
Reheat at Design		0	0.00	0			-659	1.33	System Plenum Heat		-659	1.33					
Grand Total ==>	57,264	19	100.00	78,059	100.00	-8,030	-49,393	100.00	Grand Total ==>	-8,030	-49,393	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.		Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F	
Main Clg	6.5	78.1	53.1	2,317	76.8	65.6	77.0	55.2	54.6	63.1	Floor	1,580	Main Htg	-19.4	695	55.2	80.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	-30.0	640	13.0	55.2
											Roof	0					
											Wall	630	444	70			
Total	6.5	78.1											Humidif	0.0	0	0.0	0.0
													Opt Vent	0.0	0	0.0	0.0
													Total	-49.4			

Room Checksums

By ae

361-TEST CENTER COORDINATOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	72.6		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0		
Envelope Loads					Envelope Loads			Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Ret/OA	87.6	13.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn MtrTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn BldTD	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Fn Frict	0.0	0.0		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00								
Internal Loads					Internal Loads			Internal Loads								
Lights	349	87	437	11.79	349	30.55	Lights	0	0.00							
People	900		900	24.30	500	43.72	People	0	0.00							
Misc	239	0	239	6.45	239	20.89	Misc	0	0.00							
Sub Total ==>	1,488	87	1,576	42.54	1,088	95.15	Sub Total ==>	0	0.00							
Ceiling Load					Ceiling Load			Ceiling Load								
Ventilation Load	55	-55	0	0.00	42	3.69	Ventilation Load	-45	0.00							
Ov/Undr Sizing	0	0	2,183	58.95	0	0.00	Ov/Undr Sizing	0	-988	45.45						
Exhaust Heat		-55	-55	-1.50	13	1.15	Exhaust Heat		18	-0.82						
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-1,141	52.46						
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		0	0.00						
Duct Heat Pkup		0	0	0.00			Additional Reheat		0	0.00						
Reheat at Design			0	0.00			System Plenum Heat		-63	2.90						
Grand Total ==>	1,544	-23	3,704	100.00	1,144	100.00	Grand Total ==>	-45	-2,174	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR		Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	cfm	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F				
Main Clg	0.3	3.7	1.8	52	87.6	74.1	106.0	55.2	52.9	56.5	Main Htg	-0.3	16	55.2	72.6		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-1.9	40	13.0	55.2		
Total	0.3	3.7									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-2.2					

Room Checksums

By ae

362-STORAGE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling Heating		
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91			OADB: 13				SADB	55.2	76.6
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	76.3	69.0			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	76.3	69.0			
Envelope Loads												Fn MtrTD	0.0	0.0
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.0	0.0			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00						
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00						
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00						
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00						
Partition	0	0	0.00	0	0.00	Partition	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.02						
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.02						
Internal Loads												AIRFLOWS		
Lights	1,049	262	1,311	100.00	1,049	87.75	Lights	0	0	0.00	Cooling Heating			
People	0	0	0	0.00	0	0.00	People	0	0	0.00	Vent	0	0	
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00	Infil	0	0	
Sub Total ==>	1,049	262	1,311	100.00	1,049	87.75	Sub Total ==>	0	0	0.00	Supply	54	16	
Ceiling Load												MinStop/Rh	16	16
Ventilation Load	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00	Return	54	16	
Ov/Undr Sizing	0	0	0	0.00	35	2.91	Ov/Undr Sizing	0	0	0.00	Exhaust	0	0	
Exhaust Heat	0	0	0	0.00	0	0.00	Exhaust Heat	0	0	0.00	Rm Exh	0	0	
Sup. Fan Heat	0	0	0	0.00	0	0.00	OA Preheat Diff.	0	0	0.00	Auxil	0	0	
Ret. Fan Heat	0	0	0	0.00	0	0.00	RA Preheat Diff.	0	0	0.00				
Duct Heat Pkup	0	0	0	0.00	0	0.00	Additional Reheat	-249	64.29					
Reheat at Design	0	0	0	0.00	0	0.00	System Plenum Heat	-139	35.70					
Grand Total ==>	1,195	116	1,311	100.00	1,195	100.00	Grand Total ==>	-120	-388	100.00				
COOLING COIL SELECTION					AREAS				HEATING COIL SELECTION					
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass				Capacity	Coil Airflow	Ent	Lvg	
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)				MBh	cfm	°F	°F	
Main Clg	0.1	1.3	54 76.3 63.0 65.5	55.2 54.9 64.4	Floor	370				Main Htg	-0.4	16	55.2	76.6
Aux Clg	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	Part	0				Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	ExFlr	0				Preheat	0.0	0	0.0	0.0
Total	0.1	1.3			Roof	0	0	0	Humidif	0.0	0	0.0	0.0	
					Wall	0	0	0	Opt Vent	0.0	0	0.0	0.0	
									Total	-0.4				

Room Checksums

By ae

362-TOILET1

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling Heating		
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91			OADB: 13				SADB	55.2	74.7
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	76.3	69.0			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	76.3	69.0			
Envelope Loads					Envelope Loads			Envelope Loads				Fn MtrTD	0.0	0.0
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.0	0.0			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00						
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00						
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00						
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00						
Partition	0	0	0.00	0	0.00	Partition	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00						
Infiltration	0	0	0.01	0	0.01	Infiltration	0	0.11						
Sub Total ==>	0	0	0.01	0	0.01	Sub Total ==>	0	0.11						
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS		
Lights	175	44	218	99.99	175	91.31	Lights	0	0	0.00	Vent	0	0	
People	0	0	0	0.00	0	0.00	People	0	0	0.00	Infil	0	0	
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00	Supply	9	3	
Sub Total ==>	175	44	218	99.99	175	91.31	Sub Total ==>	0	0	0.00	MinStop/Rh	3	3	
Ceiling Load					Ceiling Load			Ceiling Load				Return	9	3
Ventilation Load	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00	Exhaust	0	0	
Ov/Undr Sizing	0	0	0	0.00	4	2.06	Ov/Undr Sizing	0	0	0.00	Rm Exh	0	0	
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00	Auxil	0	0			
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00						
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00						
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	-40	70.58						
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	-17	29.31						
Grand Total ==>	191	27	218	100.00	191	100.00	Grand Total ==>	-14	-57	100.00	ENGINEERING CKS			
												% OA	0.0	0.0
												cfm/ft²	0.21	0.06
												cfm/ton	478.97	
												ft²/ton	2,306.69	
												Btu/hr-ft²	5.20	-1.35
												No. People	0	

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.0	0.2	9	76.3	63.0	65.5	55.2	54.6	63.0	Floor	42	-0.1	3	55.2	74.7		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.0	0.2								Roof	0	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
												Humidif	0.0	0	0.0	0.0	
												Opt Vent	0.0	0	0.0	0.0	
												Total	-0.1				

Room Checksums

By ae

363-TOILET2

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1				Cooling		Heating	
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13				SADB	55.2	74.7	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)			0.0	0.0	0.0	
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS		
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00			Vent	0	0	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00			Infil	0	0	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00			Supply	9	3	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00			MinStop/Rh	3	3	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00			Return	9	3	
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00			Exhaust	0	0	
Partition	0	0	0.00	0	0.00	Partition	0	0.00			Rm Exh	0	0	
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00			Auxil	0	0	
Infiltration	0	0	0.01	0	0.01	Infiltration	0	0.11			ENGINEERING CKS			
Sub Total ==>	0	0	0.01	0	0.01	Sub Total ==>	0	0.11			% OA	0.0	0.0	
Internal Loads					Internal Loads			Internal Loads				cfm/ft²	0.21	0.06
Lights	175	44	218	99.99	175	91.31	Lights	0	0.00		cfm/ton	478.97		
People	0	0	0.00	0	0.00	People	0	0.00			ft²/ton	2,306.69		
Misc	0	0	0.00	0	0.00	Misc	0	0.00			Btu/hr-ft²	5.20	-1.35	
Sub Total ==>	175	44	218	99.99	175	91.31	Sub Total ==>	0	0.00		No. People	0		
Ceiling Load					Ceiling Load			Ceiling Load						
Ventilation Load	0	0	0.00	0	0.00	Ventilation Load	0	0.00						
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00						
Exhaust Heat		0	0.00			Exhaust Heat		0.00						
Sup. Fan Heat			0.00			OA Preheat Diff.		0.00						
Ret. Fan Heat		0	0.00			RA Preheat Diff.		0.00						
Duct Heat Pkup		0	0.00			Additional Reheat		-40	70.58					
Reheat at Design			0.00			System Plenum Heat		-17	29.31					
Grand Total ==>	191	27	218	100.00	191	100.00	Grand Total ==>	-14	-57	100.00				

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.0	0.2	0.2	9	76.3	63.0	65.5	55.2	54.6	63.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.2								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	42		
Part	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	°F
Main Htg	-0.1	3	55.2	74.7
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.1			

Room Checksums

By ae

365-OFFICE SUPPORT WORK AREA

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	72.4		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0		
Envelope Loads					Envelope Loads			Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Ret/OA	87.9	13.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn MtrTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn BldTD	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Fn Frict	0.0	0.0		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00								
Internal Loads					Internal Loads			Internal Loads								
Lights	349	87	437	11.88	349	31.42	Lights	0	0.00							
People	900		900	24.47	500	44.95	People	0	0.00							
Misc	213	0	213	5.80	213	19.18	Misc	0	0.00							
Sub Total ==>	1,463	87	1,550	42.15	1,063	95.55	Sub Total ==>	0	0.00							
Ceiling Load					Ceiling Load			Ceiling Load								
Ventilation Load	49	-49	0	0.00	38	3.39	Ventilation Load	-41	0.00							
Ov/Undr Sizing	0	0	2,183	59.36	0	0.00	Ov/Undr Sizing	0	-961	44.44						
Exhaust Heat		-55	-55	-1.51	12	1.06	Exhaust Heat		17	-0.80						
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-1,161	53.68						
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		0	0.00						
Duct Heat Pkup		0	0	0.00			Additional Reheat		0	0.00						
Reheat at Design			0	0.00			System Plenum Heat		-58	2.67						
Grand Total ==>	1,512	-18	3,678	100.00	1,112	100.00	Grand Total ==>	-41	-2,162	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR		Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	cfm	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F				
Main Clg	0.3	3.7	1.8	51	87.9	74.3	107.2	55.2	52.8	56.0	Main Htg	-0.3	15	55.2	72.4		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-1.9	40	13.0	55.2		
Total	0.3	3.7									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-2.2					

Room Checksums

By ae

366-TEST CENTER RECEPTION

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES						
Peaked at Time:		Mo/Hr: 8 / 13			Mo/Hr: 11 / 12		Mo/Hr: 13 / 1														
Outside Air:		OADB/WB/HR: 86 / 73 / 101			OADB: 61		OADB: 61					OADB: 13									
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)	Space Sens	Coil Peak Tot Sens	Percent Of Total (%)	SADB	Cooling	Heating	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)										
Envelope Loads																					
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	55.2	79.6		76.3	69.0	76.3	69.0	0.0	0.0	0.0
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	76.3	69.0		76.3	69.0	78.1	41.0	0.0	0.0	0.0
Roof Cond	0	95	0.74	0	0.00	0	-701	8.69	0	-701	8.69	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glass Solar	5,285	0	41.10	8,852	75.69	0	0	0.00	0	0	0.00	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Glass Cond	283	0	2.20	-388	-3.32	-1,572	-1,572	19.48	-1,572	-1,572	19.48	78.1	41.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wall Cond	4	33	0.29	-4	-0.03	-23	-233	2.89	-23	-233	2.89	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sub Total ==>	5,572	128	44.33	8,460	72.34	-1,594	-2,506	31.06	-1,594	-2,506	31.06										
Internal Loads																					
Lights	1,572	393	15.28	1,572	13.44	0	0	0.00	0	0	0.00										
People	1,800		14.00	1,000	8.55	0	0	0.00	0	0	0.00										
Misc	563	0	4.38	563	4.82	0	0	0.00	0	0	0.00										
Sub Total ==>	3,935	393	33.66	3,135	26.81	0	0	0.00	0	0	0.00										
Ceiling Load																					
Lights	131	-131	0.00	100	0.85	-107	0	0.00	-107	0	0.00										
Ventilation Load	0	0	22.87	0	0.00	0	-5,057	62.68	0	-5,057	62.68										
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00										
Exhaust Heat		-111	-0.86				91	-1.13		91	-1.13										
Sup. Fan Heat		0	0.00				0	0.00		0	0.00										
Ret. Fan Heat		0	0.00				-1,219	15.11		-1,219	15.11										
Duct Heat Pkup		0	0.00				0	0.00		0	0.00										
Reheat at Design		0	0.00				623	-7.73		623	-7.73										
Grand Total ==>	9,638	280	100.00	11,695	100.00	-1,701	-8,069	100.00	-1,701	-8,069	100.00										

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION								
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg											
ton	MBh	MBh	cfm	°F	°F	gr/lb	MBh	cfm	°F	°F	ft²	(%)	MBh	cfm	°F	°F					
Main Clg	1.1	12.9	10.1	403	78.1	65.1	72.6	55.2	54.7	63.3	Floor	330		-4.3	160	55.2	79.6	Main Htg			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		0.0	0	0.0	0.0	Aux Htg			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0		-3.7	80	13.0	55.2	Preheat			
Total	1.1	12.9									Roof	330	0	0.0	0	0.0	0.0	Humidif			
											Wall	162	93	57	0.0	0	0.0	Opt Vent			
																		Total			

Room Checksums

By ae

367-COMPUTER PLACEMENT TESTING ROOM

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 9					Mo/Hr: 9 / 10					Mo/Hr: 13 / 1							
Outside Air: OADB/WB/HR: 78 / 72 / 107					OADB: 72					OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)				SADB	Cooling	Heating			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h										
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00					
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00					
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Roof Cond	0	0	0.00					
Glass Solar	20,650	0	46.11	23,024	72.56	0	0	0.00	Glass Solar	0	0	0.00					
Glass Cond	324	0	0.72	-335	-1.06	-6,116	-6,116	21.37	Glass Cond	-6,116	-6,116	21.37					
Wall Cond	115	1,081	2.67	89	0.28	-118	-1,223	4.27	Wall Cond	-118	-1,223	4.27					
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00					
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00					
Sub Total ==>	21,089	1,081	49.51	22,778	71.78	-6,234	-7,340	25.65	Sub Total ==>	-6,234	-7,340	25.65					
Internal Loads																	
Lights	3,145	786	8.78	3,145	9.91	0	0	0.00	Lights	0	0	0.00					
People	7,200	0	16.08	4,000	12.61	0	0	0.00	People	0	0	0.00					
Misc	1,536	0	3.43	1,536	4.84	0	0	0.00	Misc	0	0	0.00					
Sub Total ==>	11,881	786	28.29	8,681	27.36	0	0	0.00	Sub Total ==>	0	0	0.00					
Ceiling Load																	
Ceiling Load	356	-356	0.00	271	0.86	-292	0	0.00	Ceiling Load	-292	0	0.00					
Ventilation Load	0	0	23.20	0	0.00	0	-20,229	70.68	Ventilation Load	0	-20,229	70.68					
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat		-443	-0.99				363	-1.27	Exhaust Heat		363	-1.27					
Sup. Fan Heat		0	0.00				0	0.00	OA Preheat Diff.		0	0.00					
Ret. Fan Heat		0	0.00				-1,736	6.06	RA Preheat Diff.		-1,736	6.06					
Duct Heat Pkup		0	0.00				0	0.00	Additional Reheat		0	0.00					
Reheat at Design		0	0.00				322	-1.12	System Plenum Heat		322	-1.12					
Grand Total ==>	33,326	1,068	100.00	31,730	100.00	-6,526	-28,620	100.00	Grand Total ==>	-6,526	-28,620	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	3.7	44.8	32.3	1,373	76.7	65.2	75.2	55.2	54.5	62.7	Floor	900					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0					
Total	3.7	44.8									Roof	0	0	0			
											Wall	630	361	57			
											Main Htg	-13.6	434	55.2	83.6		
											Aux Htg	0.0	0	0.0	0.0		
											Preheat	-15.0	320	13.0	55.2		
											Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-28.6					

Room Checksums

By ae

369-READER/WRITER TESTING ROOM

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 13			Mo/Hr: 11 / 12		Mo/Hr: 13 / 1			Cooling		Heating								
Outside Air:		OADB/WB/HR: 89 / 76 / 113			OADB: 61		OADB: 13			SADB		Plenum		Return						
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Fn MtrTD	Fn BldTD	Fn Frict						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)				AIRFLOWS					
Envelope Loads					Envelope Loads					Envelope Loads					Cooling			Heating		
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Vent	60	60						
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Infil	0	0						
Roof Cond	0	74	1.05	0	0.00	Roof Cond	0	5.82	Roof Cond	-287	5.82	Supply	255	77						
Glass Solar	1,950	0	27.53	4,426	79.07	Glass Solar	0	0.00	Glass Solar	0	0.00	MinStop/Rh	77	77						
Glass Cond	188	0	2.66	-194	-3.46	Glass Cond	-786	15.96	Glass Cond	-786	15.96	Return	255	77						
Wall Cond	6	23	0.41	-5	-0.09	Wall Cond	-30	2.99	Wall Cond	-30	2.99	Exhaust	60	60						
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00	Rm Exh	0	0						
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00	Auxil	0	0						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	Infiltration	0	0.00				ENGINEERING CKS					
Sub Total ==>	2,145	97	31.65	4,227	75.51	Sub Total ==>	-816	24.78	Sub Total ==>	-1,220	24.78	% OA	23.5	78.4						
Internal Loads					Internal Loads					Internal Loads					Cooling			Heating		
Lights	349	87	6.17	349	6.24	Lights	0	0.00	Lights	0	0.00	cfm/ft²	1.89	0.57						
People	1,350	0	19.05	750	13.40	People	0	0.00	People	0	0.00	cfm/ton	431.93							
Misc	230	0	3.25	230	4.12	Misc	0	0.00	Misc	0	0.00	ft²/ton	228.66							
Sub Total ==>	1,930	87	28.47	1,330	23.76	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Btu/hr-ft²	52.48	-36.47						
Ceiling Load					Ceiling Load					Ceiling Load					No. People					
Ventilation Load	53	-53	0.00	41	0.73	Ventilation Load	-44	0.00	Ventilation Load	-44	0.00		3							
Ov/Undr Sizing	0	0	41.05	0	0.00	Ov/Undr Sizing	0	77.04	Ov/Undr Sizing	-3,793	77.04									
Exhaust Heat	0	-83	0.00	0	0.00	Exhaust Heat	0	0.00	Exhaust Heat	0	0.00									
Sup. Fan Heat	0	-83	-1.17	0	0.00	Sup. Fan Heat	68	-1.38	Sup. Fan Heat	68	-1.38									
Ret. Fan Heat	0	0	0.00	0	0.00	Ret. Fan Heat	0	0.00	Ret. Fan Heat	0	0.00									
Duct Heat Pkup	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00									
Reheat at Design	0	0	0.00	0	0.00	RA Preheat Diff.	-252	5.12	RA Preheat Diff.	-252	5.12									
Grand Total ==>	4,129	48	100.00	5,597	100.00	Grand Total ==>	-860	100.00	Grand Total ==>	-4,924	100.00									
COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg										
ton	MBh	MBh	cfm	°F °F gr/lb	ft²	(%)	MBh	cfm	°F	°F										
Main Clg	0.6	7.1	4.5	161 81.0 68.1 83.1	55.2 54.2 61.3	Floor	-2.1	77	55.2	80.1										
Aux Clg	0.0	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	Part	0.0	0	0.0	0.0										
Opt Vent	0.0	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	ExFlr	-2.8	60	13.0	55.2										
Total	0.6	7.1				Roof	0.0	0	0.0	0.0										
						Wall	0.0	0	0.0	0.0										
							-4.9													

Room Checksums

By ae

370-READER/WRITER TESTING ROOM

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 13			Mo/Hr: 11 / 12		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 89 / 76 / 113			OADB: 61		OADB: 13			SADB		Plenum		Return			
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak Tot	Percent Of Total	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0.0	0.0	0.0	0.0	
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	76.3	0.0	0.0	0.0	0.0	
Roof Cond	0	74	1.05	0	0.00	0	-287	5.82	0	0	0.00	76.3	0.0	0.0	0.0	0.0	
Glass Solar	1,950	0	27.53	4,426	79.07	0	0	0.00	0	0	0.00	81.0	0.0	0.0	0.0	0.0	
Glass Cond	188	0	2.66	-194	-3.46	-786	-786	15.96	-786	-786	15.96		0.0	0.0	0.0	0.0	
Wall Cond	6	23	0.41	-5	-0.09	-30	-147	2.99	-30	-147	2.99		0.0	0.0	0.0	0.0	
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00		0.0	0.0	0.0	0.0	
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00		0.0	0.0	0.0	0.0	
Infiltration	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00		0.0	0.0	0.0	0.0	
Sub Total ==>	2,145	97	31.65	4,227	75.51	-816	-1,220	24.78	-816	-1,220	24.78						
Internal Loads																	
Lights	349	87	6.17	349	6.24	0	0	0.00	0	0	0.00						
People	1,350	0	19.05	750	13.40	0	0	0.00	0	0	0.00						
Misc	230	0	3.25	230	4.12	0	0	0.00	0	0	0.00						
Sub Total ==>	1,930	87	28.47	1,330	23.76	0	0	0.00	0	0	0.00						
Ceiling Load																	
Lights	53	-53	0.00	41	0.73	-44	0	0.00	-44	0	0.00						
Ventilation Load	0	0	41.05	0	0.00	0	-3,793	77.04	0	-3,793	77.04						
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Exhaust Heat		-83	-1.17				68	-1.38		68	-1.38						
Sup. Fan Heat		0	0.00				0	0.00		0	0.00						
Ret. Fan Heat		0	0.00				-252	5.12		-252	5.12						
Duct Heat Pkup		0	0.00				0	0.00		0	0.00						
Reheat at Design		0	0.00				273	-5.55		273	-5.55						
Grand Total ==>	4,129	48	100.00	5,597	100.00	-860	-4,924	100.00	-860	-4,924	100.00						

COOLING COIL SELECTION											AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg								
ton	MBh	MBh	cfm	°F °F gr/lb	ft²	ft² (%)	MBh	cfm	°F	°F								
Main Clg	0.6	7.1	4.5	161 81.0 68.1 83.1	55.2 54.2 61.3	Floor	135	-2.1	77	55.2	80.1							
Aux Clg	0.0	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	Part	0	0.0	0	0.0	0.0							
Opt Vent	0.0	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	ExFlr	0	-2.8	60	13.0	55.2							
Total	0.6	7.1				Roof	135	0.0	0	0.0	0.0							
						Wall	90	0.0	0	0.0	0.0							
						Total		-4.9										

Room Checksums

By ae

400-PRIVATE DINING ROOM

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 9			Mo/Hr: 9 / 10		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 78 / 72 / 107			OADB: 72		OADB: 13			SADB		Plenum		Return			
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00	76.0	66.8			
Roof Cond	0	37	0.04	0	0.00	0	-204	0.32	Roof Cond	0	-204	0.32	76.0	66.8			
Glass Solar	87,404	0	84.79	94,677	98.41	0	0	0.00	Glass Solar	0	0	0.00	76.1	59.1			
Glass Cond	1,721	0	1.67	-1,782	-1.85	0	-32,522	50.68	Glass Cond	-32,522	-32,522	50.68	0.0	0.0			
Wall Cond	603	1,530	2.07	545	0.57	0	-828	4.45	Wall Cond	-828	-2,858	4.45	0.0	0.0			
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00	0.0	0.0			
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00	0.0	0.0			
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00	0.0	0.0			
Sub Total ==>	89,727	1,567	88.56	93,440	97.12	-33,350	-35,584	55.46	Sub Total ==>	-33,350	-35,584	55.46					
Internal Loads																	
Lights	0	0	0.00	0	0.00	0	0	0.00	Lights	0	0	0.00	4,685	1,405			
People	5,500	0	5.34	2,750	2.86	0	0	0.00	People	0	0	0.00	1,405	1,405			
Misc	0	0	0.00	0	0.00	0	0	0.00	Misc	0	0	0.00	4,685	1,405			
Sub Total ==>	5,500	0	5.34	2,750	2.86	0	0	0.00	Sub Total ==>	0	0	0.00	200	200			
Ceiling Load																	
Lights	31	-31	0.00	18	0.02	0	0	0.00	Lights	-102	0	0.00	0	0			
Ventilation Load	0	0	6.31	0	0.00	0	-12,643	19.70	Ventilation Load	0	-12,643	19.70	0	0			
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	Ov/Undr Sizing	0	0	0.00	0	0			
Exhaust Heat		-217	-0.21				715	-1.11	Exhaust Heat		715	-1.11	0	0			
Sup. Fan Heat		0	0.00				0	0.00	OA Preheat Diff.		0	0.00	0	0			
Ret. Fan Heat		0	0.00				-13,763	21.45	RA Preheat Diff.		-13,763	21.45	0	0			
Duct Heat PkUp		0	0.00				0	0.00	Additional Reheat		0	0.00	11.64	11.64			
Reheat at Design		0	0.00				-2,890	4.50	System Plenum Heat		-2,890	4.50	1,030.82	-641.66			
Grand Total ==>	95,258	1,319	103,082	96,208	100.00	-33,452	-64,166	100.00	Grand Total ==>	-33,452	-64,166	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg							
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F							
Main Clg	8.6	103.1	94.5	4,505	76.1	63.3	67.2	56.5	55.7	65.6	Main Htg	-54.5	1,405	56.5	91.5		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-9.6	200	13.0	56.5		
Total	8.6	103.1									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-64.2					

Room Checksums

By ae

401-PRIVATE DINING ROOM 2

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 11 / 13		Mo/Hr: 13 / 1					Cooling Heating			
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 63		OADB: 13					SADB	56.5	78.5	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	76.0	66.8				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	91.0	13.0				
Envelope Loads													Fn MtrTD	0.0	0.0
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.0	0.0				
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.0	0.0				
Roof Cond	0	1,269	0.81	0	0.00	Roof Cond	0	-2,776							
Glass Solar	2,798	0	1.79	9,233	22.12	Glass Solar	0	0.00							
Glass Cond	455	0	0.29	-333	-0.80	Glass Cond	-1,660	-1,660							
Wall Cond	2,298	534	1.82	2,928	7.02	Wall Cond	-2,726	-3,336							
Partition	0	0	0.00	0	0.00	Partition	0	0.00							
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00							
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00							
Sub Total ==>	5,551	1,803	7,354	4.72	11,828	28.34	Sub Total ==>	-4,386	-7,772	7.64					
Internal Loads													AIRFLOWS		
Lights	4,916	1,229	6,146	3.94	4,916	11.78	Lights	0	0	0.00	Vent	1,800	610		
People	49,500	0	49,500	31.74	24,750	59.30	People	0	0	0.00	Infil	0	0		
Misc	0	0	0.00	0	0.00	Misc	0	0.00	Supply	2,032	610				
Sub Total ==>	54,416	1,229	55,646	35.68	29,666	71.08	Sub Total ==>	0	0	0.00	MinStop/Rh	610	610		
Ceiling Load													Return	2,032	610
Ventilation Load	0	0	94,831	60.81	0	0.00	Ventilation Load	0	-38,544	37.89	Exhaust	1,800	610		
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00	Rm Exh	0	0				
Exhaust Heat		-1,879	-1,879	-1.21			Exhaust Heat		2,179	-2.14	Auxil	0	0		
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-57,401	56.43					
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00					
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00					
Reheat at Design			0	0.00			System Plenum Heat		-182	0.18					
Grand Total ==>	60,388	732	155,951	100.00	41,738	100.00	Grand Total ==>	-5,775	-101,720	100.00	ENGINEERING CKS				
													% OA	88.6	100.0
													cfm/ft²	1.49	0.45
													cfm/ton	156.39	
													ft³/ton	104.65	
													Btu/hr-ft²	114.67	-74.79
													No. People	90	

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR		Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	cfm	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F				
Main Clg	13.0	156.0	67.2	1,735	91.0	76.9	118.3	56.5	50.6	45.7	Main Htg	-14.9	610	56.5	78.5		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Preheat	-86.8	1,800	13.0	56.5		
Total	13.0	156.0									Humidif	0.0	0	0.0	0.0		
													Opt Vent	0.0	0	0.0	0.0
													Total	-101.7			

Room Checksums

By ae

402-PANTRY

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 9 / 14			Mo/Hr: 13 / 1								
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 83			OADB: 13								
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total								
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)								
Envelope Loads					Envelope Loads			Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				SADB	56.5	94.5		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Plenum	76.0	66.8		
Roof Cond	0	317	3.68	0	0.00	Roof Cond	0	-694	11.96				Return	76.0	66.8	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0	0.00				Ret/OA	84.4	13.0	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0	0.00				Fn MtrTD	0.0	0.0	
Wall Cond	763	150	913	10.58	1,051	33.27	Wall Cond	-905	-1,076	18.55				Fn BldTD	0.0	0.0
Partition	0	0	0.00	0	0.00	Partition	0	0	0.00				Fn Frict	0.0	0.0	
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00							
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0	0.00							
Sub Total ==>	763	467	1,230	14.26	1,051	33.27	Sub Total ==>	-905	-1,770	30.51						
Internal Loads					Internal Loads			Internal Loads								
Lights	1,048	262	1,310	15.19	1,048	33.16	Lights	0	0	0.00						
People	1,800		1,800	20.87	1,000	31.64	People	0	0	0.00						
Misc	0	0	0.00	0	0.00	Misc	0	0	0.00							
Sub Total ==>	2,848	262	3,110	36.06	2,048	64.80	Sub Total ==>	0	0	0.00						
Ceiling Load					Ceiling Load			Ceiling Load								
Ventilation Load	105	-105	0	0.00	61	1.93	Ventilation Load	-347	0	0.00						
Ov/Undr Sizing	0	0	4,372	50.69	0	0.00	Ov/Undr Sizing	0	-2,919	50.30						
Exhaust Heat		-87	-87	-1.00	0	0.00	Exhaust Heat		165	-2.84						
Sup. Fan Heat			0	0.00			OA Preheat Diff.		-1,632	28.12						
Ret. Fan Heat			0	0.00			RA Preheat Diff.		0	0.00						
Duct Heat Pkup			0	0.00			Additional Reheat		0	0.00						
Reheat at Design			0	0.00			System Plenum Heat		353	-6.08						
Grand Total ==>	3,716	537	8,625	100.00	3,160	100.00	Grand Total ==>	-1,253	-5,803	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.7	8.6	4.9	142	84.4	71.3	95.2	56.5	52.6	53.2	Floor	-1.9	46	56.5	94.5		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	-3.9	80	13.0	56.5		
Total	0.7	8.6									Roof	0.0	0	0.0	0.0		
											Wall	0.0	0	0.0	0.0		
											Total	-5.8					

Room Checksums

By ae

403-STORAGE

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 21			Mo/Hr: 7 / 21		OADB: 80		Mo/Hr: 13 / 1					Cooling		Heating
Outside Air:		OADB/WB/HR: 80 / 73 / 110							OADB: 13					SADB	56.5	92.8
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)					
Envelope Loads																
Skylite Solar	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0
Skylite Cond	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0
Roof Cond	0	550	550	35.88	0	0.00	0	0.00	0	-653	125.43	0	0	0.00	0	0
Glass Solar	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0
Glass Cond	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0
Wall Cond	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0
Partition	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0
Exposed Floor	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0
Infiltration	0	0	0	0.00	0	0.00	0	0.00	0	0	0.01	0	0	0.00	0	0
Sub Total ==>	0	550	550	35.89	0	0.00	0	0.00	0	-653	125.44	0	0	0.00	0	0
Internal Loads																
Lights	786	197	983	64.11	786	88.82	0	0.00	0	0	0.00	0	0	0.00	0	0
People	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0
Misc	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0
Sub Total ==>	786	197	983	64.11	786	88.82	0	0.00	0	0	0.00	0	0	0.00	0	0
Ceiling Load																
Ventilation Load	99	-99	0	0.00	57	6.47	0	0.00	0	0	0.00	0	0	0.00	0	0
Ov/Undr Sizing	0	0	0	0.00	42	4.71	0	0.00	0	0	0.00	0	0	0.00	0	0
Exhaust Heat	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0
Sup. Fan Heat	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0
Ret. Fan Heat	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0
Duct Heat Pkup	0	0	0	0.00	0	0.00	0	0.00	0	-148	28.36	0	0	0.00	0	0
Reheat at Design	0	0	0	0.00	0	0.00	0	0.00	0	280	-53.80	0	0	0.00	0	0
Grand Total ==>	885	648	1,533	100.00	885	100.00	0	0.00	-327	-521	100.00	0	0	0.00	0	0

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.1	1.5	1.5	43	76.0	62.9	65.4	56.5	50.6	45.5	Floor	320	0	0	0		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0	0	0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0	0	0		
Total	0.1	1.5									Roof	320	0	0	0		
											Wall	0	0	0	0		

AIRFLOWS			ENGINEERING CKS		
	Cooling	Heating		Cooling	Heating
Vent	0	0	% OA	0.0	0.0
Infil	0	0	cfm/ft²	0.13	0.04
Supply	43	13	cfm/ton	337.45	
MinStop/Rh	13	13	ft²/ton	2,504.70	
Return	43	13	Btu/hr-ft²	4.79	-1.63
Exhaust	0	0	No. People	0	
Rm Exh	0	0			
Auxil	0	0			

Room Checksums

By ae

C11-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	57.7	75.9		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	77.4	68.2		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	77.4	68.2		
Envelope Loads					Envelope Loads			Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Ret/OA	77.4	68.2		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn MtrTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn BldTD	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Fn Frict	0.0	0.0		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.01	0	0.01	Infiltration	0	0.06								
Sub Total ==>	0	0	0.01	0	0.01	Sub Total ==>	0	0.06								
Internal Loads					Internal Loads			Internal Loads								
Lights	262	66	328	99.99	262	86.28	Lights	0	0.00				Vent	0	0	
People	0	0	0	0.00	0	0.00	People	0	0.00				Infil	0	0	
Misc	0	0	0	0.00	0	0.00	Misc	0	0.00				Supply	16	5	
Sub Total ==>	262	66	328	99.99	262	86.28	Sub Total ==>	0	0.00				MinStop/Rh	5	5	
Ceiling Load					Ceiling Load			Ceiling Load								
Ventilation Load	42	-42	0	0.00	36	12.01	Ventilation Load	-31	0				Return	16	5	
Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00				Exhaust	0	0	
Exhaust Heat	0	0	0	0.00	5	1.71	Exhaust Heat	0	0.00				Rm Exh	0	0	
Sup. Fan Heat	0	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00				Auxil	0	0	
Ret. Fan Heat	0	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00							
Duct Heat Pkup	0	0	0	0.00	0	0.00	Additional Reheat	-55	57.73							
Reheat at Design	0	0	0	0.00	0	0.00	System Plenum Heat	-41	42.21							
Grand Total ==>	304	24	328	100.00	304	100.00	Grand Total ==>	-31	-96	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.0	0.3	16	77.4	63.4	65.5	57.7	56.2	65.5	Floor	55	-0.1	5	57.7	75.9		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.0	0.3								Roof	0	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
										Humidif		0.0	0	0.0	0.0		
										Opt Vent		0.0	0	0.0	0.0		
										Total		-0.1					

Room Checksums

By ae

C12-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1				Cooling		Heating	
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13				SADB	57.7	81.7	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	77.4	68.2			
Envelope Loads														
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn MtrTD	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn BldTD	0.0	0.0			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Fn Frict	0.0	0.0			
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00						
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00						
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00						
Partition	0	0	0.00	0	0.00	Partition	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01						
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01						
Internal Loads														
Lights	2,096	524	2,620	100.00	2,096	72.97	Lights	0	0.00					
People	0	0	0	0.00	0	0.00	People	0	0.00					
Misc	0	0	0	0.00	0	0.00	Misc	0	0.00					
Sub Total ==>	2,096	524	2,620	100.00	2,096	72.97	Sub Total ==>	0	0.00					
Ceiling Load														
Ventilation Load	776	-776	0	0.00	680	23.66	Ceiling Load	-580	0.00					
Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ventilation Load	0	0.00					
Exhaust Heat	0	0	0	0.00	97	3.36	Ov/Undr Sizing	0	0.00					
Sup. Fan Heat	0	0	0	0.00			Exhaust Heat	0	0.00					
Ret. Fan Heat	0	0	0	0.00			OA Preheat Diff.	0	0.00					
Duct Heat Pkup	0	0	0	0.00			RA Preheat Diff.	0	0.00					
Reheat at Design	0	0	0	0.00			Additional Reheat	-524	43.93					
Grand Total ==>	2,873	-252	2,620	100.00	2,873	100.00	System Plenum Heat	-669	56.06					
Grand Total ==>	2,873	-252	2,620	100.00	2,873	100.00	Grand Total ==>	-580	-1,193	100.00				

AIRFLOWS			Cooling	Heating
Vent	0	0		
Infil	0	0		
Supply	149	45		
MinStop/Rh	45	45		
Return	149	45		
Exhaust	0	0		
Rm Exh	0	0		
Auxil	0	0		

ENGINEERING CKS			Cooling	Heating
% OA	0.0	0.0		
cfm/ft²	0.15	0.04		
cfm/ton	684.45			
ft³/ton	4,694.15			
Btu/hr-ft²	2.56	-1.16		
No. People	0			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.6	2.6	149	77.4	63.4	65.5	57.7	56.2	65.5		Main Htg	-1.2	45	57.7	81.7	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0		Preheat	0.0	0	0.0	0.0	
Total	0.2	2.6										Humidif	0.0	0	0.0	0.0	
												Opt Vent	0.0	0	0.0	0.0	
												Total	-1.2				

Room Checksums

By ae

C13-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1				Cooling		Heating	
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13				SADB	57.7	81.5	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	77.4	68.2			
Envelope Loads														
Skylite Solar	0	0	0	0.00	0	0.00	Skylite Solar	0	0	0.00	Fn MtrTD	0.0	0.0	
Skylite Cond	0	0	0	0.00	0	0.00	Skylite Cond	0	0	0.00	Fn BldTD	0.0	0.0	
Roof Cond	0	0	0	0.00	0	0.00	Roof Cond	0	0	0.00	Fn Frict	0.0	0.0	
Glass Solar	0	0	0	0.00	0	0.00	Glass Solar	0	0	0.00				
Glass Cond	0	0	0	0.00	0	0.00	Glass Cond	0	0	0.00				
Wall Cond	0	0	0	0.00	0	0.00	Wall Cond	0	0	0.00				
Partition	0	0	0	0.00	0	0.00	Partition	0	0	0.00				
Exposed Floor	0	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00				
Infiltration	0	0	0	0.00	0	0.00	Infiltration	0	0	0.01				
Sub Total ==>	0	0	0	0.00	0	0.00	Sub Total ==>	0	0	0.01				
Internal Loads														
Lights	1,048	262	1,311	100.00	1,048	73.46	Lights	0	0	0.00	Supply	74	22	
People	0	0	0	0.00	0	0.00	People	0	0	0.00	MinStop/Rh	22	22	
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00	Return	74	22	
Sub Total ==>	1,048	262	1,311	100.00	1,048	73.46	Sub Total ==>	0	0	0.00	Exhaust	0	0	
											Rm Exh	0	0	
											Auxil	0	0	
Ceiling Load	379	-379	0	0.00	332	23.23	Ceiling Load	-283	0	0.00				
Ventilation Load	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00				
Ov/Undr Sizing	0	0	0	0.00	47	3.30	Ov/Undr Sizing	0	0	0.00				
Exhaust Heat	0	0	0	0.00	0	0.00	Exhaust Heat	0	0	0.00				
Sup. Fan Heat	0	0	0	0.00	0	0.00	OA Preheat Diff.	0	0	0.00				
Ret. Fan Heat	0	0	0	0.00	0	0.00	RA Preheat Diff.	0	0	0.00				
Duct Heat Pkup	0	0	0	0.00	0	0.00	Additional Reheat	-260	44.32					
Reheat at Design	0	0	0	0.00	0	0.00	System Plenum Heat	-327	55.67					
Grand Total ==>	1,427	-117	1,311	100.00	1,427	100.00	Grand Total ==>	-283	-588	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.1	1.3	1.3	74	77.4	63.4	65.5	57.7	56.2	65.5	Floor	500	0	0	0		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0	0	0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0	0	0		
Total	0.1	1.3									Roof	0	0	0	0		
											Wall	0	0	0	0		

TEMPERATURES					AIRFLOWS					ENGINEERING CKS						
SADB	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	Cooling	Heating	Vent	Infil	Supply	MinStop/Rh	Return	Exhaust	Rm Exh	Auxil
57.7	77.4	77.4	77.4	0.0	0.0	0.0	0	0	0	0	74	22	74	0	0	0
81.5	68.2	68.2	68.2	0.0	0.0	0.0	0	0	0	0	22	22	22	0	0	0

ENGINEERING CKS					
% OA	cfm/ft²	cfm/ton	ft²/ton	Btu/hr-ft²	No. People
0.0	0.15	679.87	4,577.96	2.62	0
0.0	0.04			-1.18	

Room Checksums

By ae

C14-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 1 / 11			Mo/Hr: 1 / 11		Mo/Hr: 13 / 1					Cooling Heating			
Outside Air:		OADB/WB/HR: 41 / 35 / 22			OADB: 41		OADB: 41		OADB: 13						
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				SADB			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Plenum			
Envelope Loads															
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00	Return	78.5	70.0
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00	Ret/OA	78.5	70.0
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Roof Cond	0	0	0.00	Fn MtrTD	0.0	0.0
Glass Solar	0	0	0.00	0	0.00	0	0	0.00	Glass Solar	0	0	0.00	Fn BldTD	0.0	0.0
Glass Cond	0	0	0.00	0	0.00	0	0	0.00	Glass Cond	0	0	0.00	Fn Frict	0.0	0.0
Wall Cond	0	0	0.00	0	0.00	0	0	0.00	Wall Cond	0	0	0.00			
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00			
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00			
Infiltration	0	0	0.00	0	0.00	0	0	0.00	Infiltration	0	0	0.00			
Sub Total ==>	0	0	0.00	0	0.00	0	0	0.00	Sub Total ==>	0	0	0.00			
Internal Loads															
Lights	1,310,988	327,747	1,638,735	100.00	1,310,988	99.95	0	0.00	Lights	0	0	0.00	Vent	0	0
People	0	0	0.00	0.00	0	0.00	0	0.00	People	0	0	0.00	Infil	0	0
Misc	0	0	0.00	0.00	0	0.00	0	0.00	Misc	0	0	0.00	Supply	71,468	21,440
Sub Total ==>	1,310,988	327,747	1,638,735	100.00	1,310,988	99.95	0	0.00	Sub Total ==>	0	0	0.00	MinStop/Rh	21,440	21,440
Ceiling Load															
Ventilation Load	599	-599	0	0.00	598	0.05	0	0.00	Ventilation Load	0	0	0.00	Return	71,468	21,440
Ov/Undr Sizing	0	0	0.00	0.00	1	0.00	0	0.00	Ov/Undr Sizing	0	0	0.00	Exhaust	0	0
Exhaust Heat	0	0	0.00	0.00	0	0.00	0	0.00	Exhaust Heat	0	0	0.00	Rm Exh	0	0
Sup. Fan Heat	0	0	0.00	0.00	0	0.00	0	0.00	OA Preheat Diff.	0	0	0.00	Auxil	0	0
Ret. Fan Heat	0	0	0.00	0.00	0	0.00	0	0.00	RA Preheat Diff.	0	0	0.00			
Duct Heat Pkup	0	0	0.00	0.00	0	0.00	0	0.00	Additional Reheat	-273,449	99.58				
Reheat at Design	0	0	0.00	0.00	0	0.00	0	0.00	System Plenum Heat	-1,144	0.42				
Grand Total ==>	1,311,587	327,148	1,638,735	100.00	1,311,587	100.00	-8	-274,592	Grand Total ==>	-8	-274,592	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR		Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	°F	°F	°F	°F		ft²	(%)	MBh	cfm	°F	°F				
Main Clg	136.6	1,638.7	1,638.7	78.5	64.0	66.6	58.5	56.5	65.6	-274.6	21,440	58.5	70.0				
Aux Clg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0				
Opt Vent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0				
Total	136.6	1,638.7															

TEMPERATURES			AIRFLOWS			ENGINEERING CKS				
SADB	Plenum	Return	Vent	Infil	Supply	MinStop/Rh	Return	Exhaust	Rm Exh	Auxil
58.5	78.5	78.5	0	0	71,468	21,440	21,440	0	0	0
70.0	70.0	70.0	0	0	21,440	21,440	21,440	0	0	0
0.0	0.0	0.0	0	0	71,468	21,440	21,440	0	0	0
0.0	0.0	0.0	0	0	0	0	0	0	0	0
0.0	0.0	0.0	0	0	0	0	0	0	0	0

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR		Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	°F	°F	°F	°F		ft²	(%)	MBh	cfm	°F	°F				
Main Clg	136.6	1,638.7	1,638.7	78.5	64.0	66.6	58.5	56.5	65.6	-274.6	21,440	58.5	70.0				
Aux Clg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0				
Opt Vent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0				
Total	136.6	1,638.7															

Room Checksums

By ae

C15-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91					OADB: 13					SADB	58.5	70.3
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)	Return	78.5	70.0						
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Ret/OA	78.5	70.0						
Envelope Loads												Fn MtrTD	0.0	0.0			
Skylite Solar	0	0	0	0.00	0	0.00	Skylite Solar	0	0	0.00	Fn BldTD	0.0	0.0				
Skylite Cond	0	0	0	0.00	0	0.00	Skylite Cond	0	0	0.00	Fn Frict	0.0	0.0				
Roof Cond	0	0	0	0.00	0	0.00	Roof Cond	0	0	0.00							
Glass Solar	0	0	0	0.00	0	0.00	Glass Solar	0	0	0.00							
Glass Cond	0	0	0	0.00	0	0.00	Glass Cond	0	0	0.00							
Wall Cond	0	0	0	0.00	0	0.00	Wall Cond	0	0	0.00							
Partition	0	0	0	0.00	0	0.00	Partition	0	0	0.00							
Exposed Floor	0	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00							
Infiltration	0	0	0	0.00	0	0.00	Infiltration	0	0	0.02							
Sub Total ==>	0	0	0	0.00	0	0.00	Sub Total ==>	0	0	0.02							
Internal Loads												AIRFLOWS					
Lights	786	197	983	100.00	786	58.85	Lights	0	0	0.00	Vent	Cooling	0	Heating	0		
People	0	0	0	0.00	0	0.00	People	0	0	0.00	Infil	0	0				
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00	Supply	73	22				
Sub Total ==>	786	197	983	100.00	786	58.85	Sub Total ==>	0	0	0.00	MinStop/Rh	22	22				
Ceiling Load												ENGINEERING CKS					
Ventilation Load	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00	% OA	0.0	0.0				
Ov/Undr Sizing	0	0	0	0.00	1	0.10	Ov/Undr Sizing	0	0	0.00	cfm/ft²	0.15	0.04				
Exhaust Heat	0	0	0	0.00	0	0.00	Exhaust Heat	0	0	0.00	cfm/ton	888.89					
Sup. Fan Heat	0	0	0	0.00	0	0.00	OA Preheat Diff.	0	0	0.00	ft²/ton	6,103.89					
Ret. Fan Heat	0	0	0	0.00	0	0.00	RA Preheat Diff.	0	0	0.00	Btu/hr-ft²	1.97	-0.57				
Duct Heat Pkup	0	0	0	0.00	0	0.00	Additional Reheat	-279	96.94		No. People	0					
Reheat at Design	0	0	0	0.00	0	0.00	System Plenum Heat	-9	3.03								
Grand Total ==>	1,336	-353	983	100.00	1,336	100.00	Grand Total ==>	-8	-287	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.1	1.0	73	78.5	64.0	66.6	58.5	56.8	66.6	Floor	500	Main Htg	-0.3	22	58.5	70.3	
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	0.0	0	0.0	0.0	
Total	0.1	1.0								Roof	0	Humidif	0.0	0	0.0	0.0	
										Wall	0	Opt Vent	0.0	0	0.0	0.0	
												Total	-0.3				

Room Checksums

By ae

C201-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13					
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads														
Skylite Solar	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00	SADB	57.7	87.8
Skylite Cond	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00	Plenum	77.4	68.2
Roof Cond	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00	Return	77.4	68.2
Glass Solar	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00	Ret/OA	77.4	68.2
Glass Cond	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00	Fn MtrTD	0.0	0.0
Wall Cond	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00	Fn BldTD	0.0	0.0
Partition	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00	Fn Frict	0.0	0.0
Exposed Floor	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00			
Infiltration	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00			
Sub Total ==>	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00			
Internal Loads														
Lights	1,572	393	1,965	100.00	1,572	58.87	0	0.00	0	0	0.00			
People	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00			
Misc	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00			
Sub Total ==>	1,572	393	1,965	100.00	1,572	58.87	0	0.00	0	0	0.00			
Ceiling Load														
Ventilation Load	1,098	-1,098	0	0.00	962	36.02	0	0.00	-821	0	0.00			
Ov/Undr Sizing	0	0	0	0.00	0	0.00	137	5.12	0	0	0.00			
Exhaust Heat	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00			
Sup. Fan Heat	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00			
Ret. Fan Heat	0	0	0	0.00	0	0.00	0	0.00	0	0	0.00			
Duct Heat Pkup	0	0	0	0.00	0	0.00	0	0.00	-487	35.04	35.04			
Reheat at Design	0	0	0	0.00	0	0.00	0	0.00	-903	64.96	64.96			
Grand Total ==>	2,670	-705	1,965	100.00	2,670	100.00	0	0.00	-821	-1,391	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
Total Capacity	Sens Cap.		Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.0	2.0	139	77.4	63.4	65.5	57.7	56.2	65.5	Floor	1,450		Main Htg	-1.4	42	57.7	87.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0		Preheat	0.0	0	0.0	0.0
											Roof	0	0					
											Wall	0	0					
Total	0.2	2.0												Humidif	0.0	0	0.0	0.0
														Opt Vent	0.0	0	0.0	0.0
														Total	-1.4			

Room Checksums

By ae

C202N-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1			Cooling			Heating		
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13			SADB	57.7	76.9	Plenum	77.4	68.2
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <td>77.4</td> <td>68.2</td> <th>Ret/OA <td>77.4</td> <td>68.2</td> </th>	77.4	68.2	Ret/OA <td>77.4</td> <td>68.2</td>	77.4	68.2	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD <td>0.0</td> <td>0.0</td> <th>Fn BldTD</th> <td>0.0</td> <td>0.0</td>	0.0	0.0	Fn BldTD	0.0	0.0	
Envelope Loads					Envelope Loads					AIRFLOWS					
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Vent	0	0	Infil	0	0	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Supply	27	8	MinStop/Rh	8	8	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Return	27	8	Exhaust	0	0	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Rm Exh	0	0	Auxil	0	0	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	ENGINEERING CKS						
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	% OA	0.0	0.0	cfm/ft²	0.25	0.07	
Partition	0	0	0.00	0	0.00	Partition	0	0.00	cfm/ton	594.69		ft²/ton	2,416.32		
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Btu/hr-ft²	4.97	-1.58	No. People	0		
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.03							
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.03							
Internal Loads					Internal Loads										
Lights	437	109	546	100.00	437	83.99	Lights	0	0.00						
People	0	0	0	0.00	0	0.00	People	0	0.00						
Misc	0	0	0	0.00	0	0.00	Misc	0	0.00						
Sub Total ==>	437	109	546	100.00	437	83.99	Sub Total ==>	0	0.00						
Ceiling Load					Ceiling Load										
Ventilation Load	83	-83	0	0.00	73	14.02	Ventilation Load	-62	0.00						
Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00						
Exhaust Heat	0	0	0	0.00	10	1.99	Exhaust Heat	0	0.00						
Sup. Fan Heat	0	0	0	0.00			OA Preheat Diff.	0	0.00						
Ret. Fan Heat	0	0	0	0.00			RA Preheat Diff.	0	0.00						
Duct Heat Pkup	0	0	0	0.00			Additional Reheat	-95	54.77						
Reheat at Design	0	0	0	0.00			System Plenum Heat	-78	45.20						
Grand Total ==>	520	26	546	100.00	520	100.00	Grand Total ==>	-62	-173	100.00					
COOLING COIL SELECTION					AREAS			HEATING COIL SELECTION							
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg					
ton	MBh	MBh	cfm °F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F					
Main Clg	0.1	0.6	27 77.4 63.4 65.5	57.7 56.2 65.5	Floor	110	-0.2	8	57.7	76.9					
Aux Clg	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	Part	0	0.0	0	0.0	0.0					
Opt Vent	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	ExFlr	0	0.0	0	0.0	0.0					
Total	0.1	0.6			Roof	0	0.0	0	0.0	0.0					
					Wall	0	0.0	0	0.0	0.0					
							Humidif	0.0	0	0.0					
							Opt Vent	0.0	0	0.0					
							Total	-0.2							

Room Checksums

By ae

C202S-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1				Cooling		Heating	
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13				SADB	55.2	79.7	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads														
Skylite Solar	0	0	0	0.00	0	0.00	Skylite Solar	0	0	0.00	Fn MtrTD	0.0	0.0	
Skylite Cond	0	0	0	0.00	0	0.00	Skylite Cond	0	0	0.00	Fn BldTD	0.0	0.0	
Roof Cond	0	0	0	0.00	0	0.00	Roof Cond	0	0	0.00	Fn Frict	0.0	0.0	
Glass Solar	0	0	0	0.00	0	0.00	Glass Solar	0	0	0.00				
Glass Cond	0	0	0	0.00	0	0.00	Glass Cond	0	0	0.00				
Wall Cond	0	0	0	0.00	0	0.00	Wall Cond	0	0	0.00				
Partition	0	0	0	0.00	0	0.00	Partition	0	0	0.00				
Exposed Floor	0	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00				
Infiltration	0	0	0	0.00	0	0.00	Infiltration	0	0	0.01				
Sub Total ==>	0	0	0	0.00	0	0.00	Sub Total ==>	0	0	0.01				
Internal Loads														
Lights	1,484	371	1,855	100.00	1,484	82.15	Lights	0	0	0.00	Supply	82	25	
People	0	0	0	0.00	0	0.00	People	0	0	0.00	MinStop/Rh	25	25	
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00	Return	82	25	
Sub Total ==>	1,484	371	1,855	100.00	1,484	82.15	Sub Total ==>	0	0	0.00	Exhaust	0	0	
											Rm Exh	0	0	
											Auxil	0	0	
Ceiling Load	323	-323	0	0.00	246	13.60	Ceiling Load	-264	0	0.00				
Ventilation Load	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00				
Ov/Undr Sizing	0	0	0	0.00	77	4.25	Ov/Undr Sizing	0	0	0.00				
Exhaust Heat		0	0	0.00			Exhaust Heat		0	0.00				
Sup. Fan Heat			0	0.00			OA Preheat Diff.		0	0.00				
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		0	0.00				
Duct Heat Pkup		0	0	0.00			Additional Reheat		-377	56.33				
Reheat at Design			0	0.00			System Plenum Heat		-292	43.66				
Grand Total ==>	1,807	49	1,855	100.00	1,807	100.00	Grand Total ==>	-264	-669	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	1.9	1.9	82	76.3	63.0	65.5	55.2	55.2	65.4	Floor	815					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	-0.7	25	55.2	79.7	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0	
											Roof	0	0	0	0.0	0.0	
											Wall	0	0	0	0.0	0.0	
Total	0.2	1.9											Humidif	0.0	0	0.0	0.0
													Opt Vent	0.0	0	0.0	0.0
													Total	-0.7			

Room Checksums

By ae

C203-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1				Cooling		Heating	
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13				SADB	57.7	85.4	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	77.4	68.2			
Envelope Loads														
Skylite Solar	0	0	0	0.00	0	0.00	Skylite Solar	0	0	0.00	Fn MtrTD	0.0	0.0	
Skylite Cond	0	0	0	0.00	0	0.00	Skylite Cond	0	0	0.00	Fn BldTD	0.0	0.0	
Roof Cond	0	0	0	0.00	0	0.00	Roof Cond	0	0	0.00	Fn Frict	0.0	0.0	
Glass Solar	0	0	0	0.00	0	0.00	Glass Solar	0	0	0.00				
Glass Cond	0	0	0	0.00	0	0.00	Glass Cond	0	0	0.00				
Wall Cond	0	0	0	0.00	0	0.00	Wall Cond	0	0	0.00				
Partition	0	0	0	0.00	0	0.00	Partition	0	0	0.00				
Exposed Floor	0	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00				
Infiltration	0	0	0	0.00	0	0.00	Infiltration	0	0	0.01				
Sub Total ==>	0	0	0	0.00	0	0.00	Sub Total ==>	0	0	0.01				
Internal Loads														
Lights	655	164	819	100.00	655	64.32	Lights	0	0	0.00	Supply	53	16	
People	0	0	0	0.00	0	0.00	People	0	0	0.00	MinStop/Rh	16	16	
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00	Return	53	16	
Sub Total ==>	655	164	819	100.00	655	64.32	Sub Total ==>	0	0	0.00	Exhaust	0	0	
											Rm Exh	0	0	
											Auxil	0	0	
Ceiling Load	364	-364	0	0.00	318	31.24	Ceiling Load	-272	0	0.00				
Ventilation Load	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00				
Ov/Undr Sizing	0	0	0	0.00	45	4.44	Ov/Undr Sizing	0	0	0.00				
Exhaust Heat	0	0	0	0.00	0	0.00	Exhaust Heat	0	0	0.00				
Sup. Fan Heat	0	0	0	0.00	0	0.00	OA Preheat Diff.	0	0	0.00				
Ret. Fan Heat	0	0	0	0.00	0	0.00	RA Preheat Diff.	0	0	0.00				
Duct Heat Pkup	0	0	0	0.00	0	0.00	Additional Reheat	-186	38.01					
Reheat at Design	0	0	0	0.00	0	0.00	System Plenum Heat	-303	61.98					
Grand Total ==>	1,019	-200	819	100.00	1,019	100.00	Grand Total ==>	-272	-489	100.00				

AIRFLOWS												
	Cooling		Heating									
Vent	0	0	0	0								
Infil	0	0	0	0								
Supply	53	16	16	16								
MinStop/Rh	16	16	16	16								
Return	53	16	16	16								
Exhaust	0	0	0	0								
Rm Exh	0	0	0	0								
Auxil	0	0	0	0								

ENGINEERING CKS												
	Cooling		Heating									
% OA	0.0	0.0	0.0	0.0								
cfm/ft²	0.11	0.03	0.03	0.03								
cfm/ton	776.56											
ft²/ton	7,031.63											
Btu/hr-ft²	1.71	-1.02	-1.02	-1.02								
No. People	0											

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.		Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F	
	ton	MBh		MBh	°F	°F	gr/lb	°F	°F								gr/lb
Main Clg	0.1	0.8	0.8	53	77.4	63.4	65.5	57.7	56.2	65.5	Floor	480	-0.5	16	57.7	85.4	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0	0	0.0	0.0	
											Roof	0	0	0	0.0	0.0	
Total	0.1	0.8									Wall	0	0	0	0.0	0.0	
													Humidif	0.0	0	0.0	
													Opt Vent	0.0	0	0.0	
													Total	-0.5			

Room Checksums

By ae

C204-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1							
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total								
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)								
Envelope Loads					Envelope Loads			Envelope Loads				SADB				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				57.7	78.3			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Plenum	77.4	68.2		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Return	77.4	68.2		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Ret/OA	77.4	68.2		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00				Fn MtrTD	0.0	0.0		
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00				Fn BldTD	0.0	0.0		
Partition	0	0	0.00	0	0.00	Partition	0	0.00				Fn Frict	0.0	0.0		
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00				AIRFLOWS				
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01				Vent	Cooling	Heating		
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01				Infil	0	0		
Internal Loads					Internal Loads			Internal Loads				Supply	112	34		
Lights	1,747	437	2,184	100.00	1,747	80.89	Lights	0	0.00				MinStop/Rh	34	34	
People	0	0	0.00	0	0.00	People	0	0.00				Return	112	34		
Misc	0	0	0.00	0	0.00	Misc	0	0.00				Exhaust	0	0		
Sub Total ==>	1,747	437	2,184	100.00	1,747	80.89	Sub Total ==>	0	0.00				Rm Exh	0	0	
Ceiling Load					Ceiling Load			Ceiling Load				Auxil	0	0		
Ventilation Load	413	-413	0	0.00	361	16.73	Ventilation Load	-309	0	0.00				ENGINEERING CKS		
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00				% OA	Cooling	Heating		
Exhaust Heat	0	0	0.00	51	2.38	Exhaust Heat	0	0.00				cfm/ft²	0.21	0.06		
Sup. Fan Heat	0	0	0.00			OA Preheat Diff.	0	0.00				cfm/ton	617.48			
Ret. Fan Heat	0	0	0.00			RA Preheat Diff.	0	0.00				ft³/ton	2,994.81			
Duct Heat Pkup	0	0	0.00			Additional Reheat	-394	51.22				Btu/hr-ft²	4.01	-1.41		
Reheat at Design	0	0	0.00			System Plenum Heat	-375	48.77				No. People	0			
Grand Total ==>	2,160	24	2,184	100.00	2,160	100.00	Grand Total ==>	-309	-770	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.2	112	77.4	63.4	65.5	57.7	56.2	65.5	Floor	545	Main Htg	-0.8	34	57.7	78.3	
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	0.0	0	0.0	0.0	
Total	0.2	2.2								Roof	0	Humidif	0.0	0	0.0	0.0	
										Wall	0	Opt Vent	0.0	0	0.0	0.0	
												Total	-0.8				

Room Checksums

By ae

C205-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13					
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads												SADB		
Skylite Solar	0	0	0	0.00	0	0.00	Skylite Solar	0	0	0.00	57.7	78.4		
Skylite Cond	0	0	0	0.00	0	0.00	Skylite Cond	0	0	0.00	77.4	68.2		
Roof Cond	0	0	0	0.00	0	0.00	Roof Cond	0	0	0.00	77.4	68.2		
Glass Solar	0	0	0	0.00	0	0.00	Glass Solar	0	0	0.00	77.4	68.2		
Glass Cond	0	0	0	0.00	0	0.00	Glass Cond	0	0	0.00	Fn MtrTD	0.0	0.0	
Wall Cond	0	0	0	0.00	0	0.00	Wall Cond	0	0	0.00	Fn BldTD	0.0	0.0	
Partition	0	0	0	0.00	0	0.00	Partition	0	0	0.00	Fn Frict	0.0	0.0	
Exposed Floor	0	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00				
Infiltration	0	0	0	0.00	0	0.00	Infiltration	0	0	0.02				
Sub Total ==>	0	0	0	0.00	0	0.00	Sub Total ==>	0	0	0.02				
Internal Loads												AIRFLOWS		
Lights	655	164	819	100.00	655	80.47	Lights	0	0	0.00	Cooling	Heating		
People	0	0	0	0.00	0	0.00	People	0	0	0.00	Vent	0	0	
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00	Infil	0	0	
Sub Total ==>	655	164	819	100.00	655	80.47	Sub Total ==>	0	0	0.00	Supply	42	13	
Ceiling Load												MinStop/Rh	13	13
Ventilation Load	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00	Return	42	13	
Ov/Undr Sizing	0	0	0	0.00	20	2.43	Ov/Undr Sizing	0	0	0.00	Exhaust	0	0	
Exhaust Heat		0	0	0.00			Exhaust Heat		0	0.00	Rm Exh	0	0	
Sup. Fan Heat			0	0.00			OA Preheat Diff.		0	0.00	Auxil	0	0	
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		0	0.00				
Duct Heat Pkup		0	0	0.00			Additional Reheat		-149	50.77				
Reheat at Design			0	0.00			System Plenum Heat		-144	49.21				
Grand Total ==>	814	5	819	100.00	814	100.00	Grand Total ==>	-119	-293	100.00	ENGINEERING CKS			
												Cooling	Heating	
												% OA	0.0	0.0
												cfm/ft²	0.20	0.06
												cfm/ton	620.68	
												ft³/ton	3,075.95	
												Btu/hr-ft²	3.90	-1.39
												No. People	0	

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.1	0.8	0.8	42	77.4	63.4	65.5	57.7	56.2	65.5	Floor	210		0.3	13	57.7	78.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0		0.0	0	0.0	0.0
											Roof	0	0	0			
Total	0.1	0.8									Wall	0	0	0			
												Humidif	0.0	0	0.0	0.0	
												Opt Vent	0.0	0	0.0	0.0	
												Total	-0.3				

Room Checksums

By ae

C206-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91					OADB: 13					SADB	57.7	76.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Plenum	77.4	68.2			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	77.4	68.2			
Envelope Loads					Envelope Loads					Envelope Loads					Ret/OA	77.4	68.2
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn MtrTD	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn BldTD	0.0	0.0			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Roof Cond	0	0.00	Fn Frict	0.0	0.0			
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Glass Solar	0	0.00						
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	Glass Cond	0	0.00						
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	Wall Cond	0	0.00						
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	Infiltration	0	0.02						
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>	0	0.02						
Internal Loads					Internal Loads					Internal Loads							
Lights	655	164	819	100.00	655	86.07	Lights	0	0	0.00							
People	0	0	0	0.00	0	0.00	People	0	0	0.00							
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00							
Sub Total ==>	655	164	819	100.00	655	86.07	Sub Total ==>	0	0	0.00							
Ceiling Load					Ceiling Load					Ceiling Load							
Ventilation Load	106	-106	0	0.00	93	12.20	Ventilation Load	-79	0	0.00							
Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0	0.00							
Exhaust Heat	0	0	0	0.00	13	1.73	Exhaust Heat	0	0	0.00							
Sup. Fan Heat	0	0	0	0.00	0	0.00	OA Preheat Diff.	0	0	0.00							
Ret. Fan Heat	0	0	0	0.00	0	0.00	RA Preheat Diff.	0	0	0.00							
Duct Heat Pkup	0	0	0	0.00	0	0.00	Additional Reheat	-139	57.46								
Reheat at Design	0	0	0	0.00	0	0.00	System Plenum Heat	-103	42.51								
Grand Total ==>	761	58	819	100.00	761	100.00	Grand Total ==>	-79	-242	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.1	0.8	0.8	40	77.4	63.4	65.5	57.7	56.2	65.5	Floor	140	-0.2	12	57.7	76.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0	
Total	0.1	0.8									Roof	0	0	0	0.0	0.0	
											Wall	0	0	0	0.0	0.0	
											Total	-0.2					

AIRFLOWS			ENGINEERING CKS		
	Cooling	Heating	% OA	Cooling	Heating
Vent	0	0	% OA	0.0	0.0
Infil	0	0	cfm/ft²	0.28	0.08
Supply	40	12	cfm/ton	580.30	
MinStop/Rh	12	12	ft³/ton	2,051.23	
Return	40	12	Btu/hr-ft²	5.85	-1.73
Exhaust	0	0	No. People	0	
Rm Exh	0	0			
Auxil	0	0			

Room Checksums

By ae

C208-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	75.3		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0		
Envelope Loads					Envelope Loads			Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00								
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01								
Internal Loads					Internal Loads			Internal Loads								
Lights	1,310	328	1,638	100.00	1,310	90.19	Lights	0	0.00							
People	0	0	0.00	0	0.00	People	0	0.00								
Misc	0	0	0.00	0	0.00	Misc	0	0.00								
Sub Total ==>	1,310	328	1,638	100.00	1,310	90.19	Sub Total ==>	0	0.00							
Ceiling Load					Ceiling Load			Ceiling Load								
Ventilation Load	142	-142	0	0.00	109	7.47	Ventilation Load	-117	0.00							
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00								
Exhaust Heat	0	0	0.00	34	2.33	Exhaust Heat	0	0.00								
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00								
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00								
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	-303	68.52								
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	-139	31.47								
Grand Total ==>	1,453	185	1,638	100.00	1,453	100.00	Grand Total ==>	-117	-443	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.1	1.6	66	76.3	63.0	65.5	55.2	54.7	63.4	Floor	360	-0.4	20	55.2	75.3		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.1	1.6								Roof	0	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
										Humidif		0.0	0	0.0	0.0		
										Opt Vent		0.0	0	0.0	0.0		
										Total		-0.4					

Room Checksums

By ae

C209-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	75.3		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0		
Envelope Loads					Envelope Loads			Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00								
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00								
Internal Loads					Internal Loads			Internal Loads								
Lights	4,149	1,037	5,186	100.00	4,149	90.19	Lights	0	0.00							
People	0	0	0	0.00	0	0.00	People	0	0.00							
Misc	0	0	0	0.00	0	0.00	Misc	0	0.00							
Sub Total ==>	4,149	1,037	5,186	100.00	4,149	90.19	Sub Total ==>	0	0.00							
Ceiling Load					Ceiling Load			Ceiling Load								
Ventilation Load	451	-451	0	0.00	344	7.47	Ventilation Load	-370	0.00							
Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00							
Exhaust Heat	0	0	0	0.00	107	2.33	Exhaust Heat	0	0.00							
Sup. Fan Heat	0	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00							
Ret. Fan Heat	0	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00							
Duct Heat Pkup	0	0	0	0.00	0	0.00	Additional Reheat	-960	68.52							
Reheat at Design	0	0	0	0.00	0	0.00	System Plenum Heat	-441	31.47							
Grand Total ==>	4,600	586	5,186	100.00	4,600	100.00	Grand Total ==>	-370	-1,401	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.4	5.2	210	76.3	63.0	65.5	55.2	54.7	63.4	Floor	1,140	-1.4	63	55.2	75.3		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.4	5.2								Roof	0	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
										Total	-1.4						

Room Checksums

By ae

C210-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91					OADB: 13					SADB	55.2	75.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Plenum	76.3	69.0			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	76.3	69.0			
Envelope Loads					Envelope Loads					Envelope Loads					Ret/OA	76.3	69.0
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn MtrTD	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn BldTD	0.0	0.0			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Roof Cond	0	0.00	Fn Frict	0.0	0.0			
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Glass Solar	0	0.00						
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	Glass Cond	0	0.00						
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	Wall Cond	0	0.00						
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00						
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	Infiltration	0	0.03						
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00	Sub Total ==>	0	0.03						
Internal Loads					Internal Loads					Internal Loads							
Lights	655	164	819	100.00	655	90.69	Lights	0	0	0.00							
People	0	0	0	0.00	0	0.00	People	0	0	0.00							
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00							
Sub Total ==>	655	164	819	100.00	655	90.69	Sub Total ==>	0	0	0.00							
Ceiling Load	67	-67	0	0.00	51	7.09	Ceiling Load	-55	0	0.00							
Ventilation Load	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00							
Ov/Undr Sizing	0	0	0	0.00	16	2.21	Ov/Undr Sizing	0	0	0.00							
Exhaust Heat	0	0	0	0.00	0	0.00	Exhaust Heat	0	0	0.00							
Sup. Fan Heat	0	0	0	0.00	0	0.00	OA Preheat Diff.	0	0	0.00							
Ret. Fan Heat	0	0	0	0.00	0	0.00	RA Preheat Diff.	0	0	0.00							
Duct Heat Pkup	0	0	0	0.00	0	0.00	Additional Reheat	-151	69.44								
Reheat at Design	0	0	0	0.00	0	0.00	System Plenum Heat	-66	30.54								
Grand Total ==>	723	97	819	100.00	723	100.00	Grand Total ==>	-55	-217	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.1	0.8	33	76.3	63.0	65.5	55.2	54.6	63.2	Floor	170	-0.2	10	55.2	75.0		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.1	0.8								Roof	0	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
										Total	-0.2						

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	33	10
MinStop/Rh	10	10
Return	33	10
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.19	0.06
cfm/ton	482.26	
ft³/ton	2,489.95	
Btu/hr-ft²	4.82	-1.28
No. People	0	

Room Checksums

By ae

C301-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling Heating		
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91			OADB: 13				SADB	57.7	77.9
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total					
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)	Btu/h	Btu/h	(%)					
Envelope Loads														
Skylite Solar	0	0	0	0.00	0	0.00	Skylite Solar	0	0	0.00	Fn MtrTD	0.0	0.0	
Skylite Cond	0	0	0	0.00	0	0.00	Skylite Cond	0	0	0.00	Fn BldTD	0.0	0.0	
Roof Cond	0	0	0	0.00	0	0.00	Roof Cond	0	0	0.00	Fn Frict	0.0	0.0	
Glass Solar	0	0	0	0.00	0	0.00	Glass Solar	0	0	0.00				
Glass Cond	0	0	0	0.00	0	0.00	Glass Cond	0	0	0.00				
Wall Cond	0	0	0	0.00	0	0.00	Wall Cond	0	0	0.00				
Partition	0	0	0	0.00	0	0.00	Partition	0	0	0.00				
Exposed Floor	0	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00				
Infiltration	0	0	0	0.00	0	0.00	Infiltration	0	0	0.01				
Sub Total ==>	0	0	0	0.00	0	0.00	Sub Total ==>	0	0	0.01				
Internal Loads														
Lights	2,709	677	3,386	100.00	2,709	81.72	Lights	0	0	0.00				
People	0	0	0	0.00	0	0.00	People	0	0	0.00				
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00				
Sub Total ==>	2,709	677	3,386	100.00	2,709	81.72	Sub Total ==>	0	0	0.00				
Ceiling Load														
Ventilation Load	606	-606	0	0.00	531	16.01	Ceiling Load	-453	0	0.00				
Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00				
Exhaust Heat	0	0	0	0.00	75	2.27	Ov/Undr Sizing	0	0	0.00				
Sup. Fan Heat	0	0	0	0.00			Exhaust Heat	0	0	0.00				
Ret. Fan Heat	0	0	0	0.00			OA Preheat Diff.	0	0	0.00				
Duct Heat Pkup	0	0	0	0.00			RA Preheat Diff.	0	0	0.00				
Reheat at Design	0	0	0	0.00			Additional Reheat	-605	52.13					
							System Plenum Heat	-555	47.86					
Grand Total ==>	3,315	71	3,386	100.00	3,315	100.00	Grand Total ==>	-453	-1,160	100.00				

AIRFLOWS												
	Cooling		Heating									
Vent	0	0	0	0								
Infil	0	0	0	0								
Supply	172	52	172	52								
MinStop/Rh	52	52	172	52								
Return	172	52	0	0								
Exhaust	0	0	0	0								
Rm Exh	0	0	0	0								
Auxil	0	0	0	0								

ENGINEERING CKS												
	Cooling		Heating									
% OA	0.0	0.0	0.0	0.0								
cfm/ft²	0.22	0.06	611.20	0.06								
cfm/ton	611.20	0.06	2,835.43	0.06								
ft³/ton	2,835.43	0.06	4.23	-1.45								
Btu/hr-ft²	4.23	-1.45	0	0								
No. People	0	0	0	0								

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.3	3.4	172	77.4	63.4	65.5	57.7	56.2	65.5	Floor	800	-1.2	52	57.7	77.9		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
										Roof	0	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
Total	0.3	3.4										Humidif	0.0	0	0.0		
												Opt Vent	0.0	0	0.0		
												Total	-1.2				

Room Checksums

By ae

C301A-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1							
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total								
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)								
Envelope Loads					Envelope Loads			Envelope Loads				SADB				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				57.7	89.3			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Plenum	77.4	68.2		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Return	77.4	68.2		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Ret/OA	77.4	68.2		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00				Fn MtrTD	0.0	0.0		
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00				Fn BldTD	0.0	0.0		
Partition	0	0	0.00	0	0.00	Partition	0	0.00				Fn Frict	0.0	0.0		
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00				AIRFLOWS				
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01				Cooling	Heating			
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01				Vent	0	0		
Internal Loads					Internal Loads			Internal Loads				Infil				
Lights	524	131	656	100.00	524	55.29	Lights	0	0.00				Supply	49	15	
People	0	0	0.00	0	0.00	People	0	0.00				MinStop/Rh	15	15		
Misc	0	0	0.00	0	0.00	Misc	0	0.00				Return	49	15		
Sub Total ==>	524	131	656	100.00	524	55.29	Sub Total ==>	0	0.00				Exhaust	0	0	
Ceiling Load					Ceiling Load			Ceiling Load				Rm Exh				
Ventilation Load	424	-424	0	0.00	371	39.15	Ventilation Load	-317	0.00				Auxil	0	0	
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00				ENGINEERING CKS				
Exhaust Heat	0	0	0.00	53	5.56	Exhaust Heat	0	0.00				Cooling	Heating			
Sup. Fan Heat	0	0	0.00			OA Preheat Diff.	0	0.00				% OA	0.0	0.0		
Ret. Fan Heat	0	0	0.00			RA Preheat Diff.	0	0.00				cfm/ft²	0.09	0.03		
Duct Heat Pkup	0	0	0.00			Additional Reheat	-173	33.32				cfm/ton	903.39			
Reheat at Design	0	0	0.00			System Plenum Heat	-346	66.66				ft²/ton	10,250.08			
Grand Total ==>	949	-293	656	100.00	949	100.00	Grand Total ==>	-317	-520	100.00				Btu/hr-ft²	1.17	-0.93
												No. People				
												0				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.1	0.7	0.7	49	77.4	63.4	65.5	57.7	56.2	65.5	Floor	560	-0.5	15	57.7	89.3	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0	
											Roof	0	0	0	0	0	
Total	0.1	0.7									Wall	0	0	0	0	0	
											Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-0.5					

Room Checksums

By ae

C302-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating			
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	80.0	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0	
Envelope Loads					Envelope Loads			Envelope Loads				Ret/OA			
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00				Fn MtrTD	0.0	0.0	
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00				Fn BldTD	0.0	0.0	
Roof Cond	0	0	0.00	0	0.00	0	0	0.00				Fn Frict	0.0	0.0	
Glass Solar	0	0	0.00	0	0.00	0	0	0.00							
Glass Cond	0	0	0.00	0	0.00	0	0	0.00							
Wall Cond	0	0	0.00	0	0.00	0	0	0.00							
Partition	0	0	0.00	0	0.00	0	0	0.00							
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00							
Infiltration	0	0	0.00	0	0.00	0	0	0.01							
Sub Total ==>	0	0	0.00	0	0.00	0	0	0.01							
Internal Loads					Internal Loads			Internal Loads				AIRFLOWS			
Lights	1,398	349	1,747	100.00	1,398	81.53	0	0	0.00				Vent	0	0
People	0	0	0	0.00	0	0.00	0	0	0.00				Infil	0	0
Misc	0	0	0	0.00	0	0.00	0	0	0.00				Supply	78	23
Sub Total ==>	1,398	349	1,747	100.00	1,398	81.53	0	0	0.00				MinStop/Rh	23	23
Ceiling Load					Ceiling Load			Ceiling Load				Return			
Ventilation Load	0	0	0	0.00	0	0.00	0	0	0.00				Exhaust	0	0
Ov/Undr Sizing	0	0	0	0.00	75	4.39	0	0	0.00				Rm Exh	0	0
Exhaust Heat	0	0	0	0.00	0	0.00	0	0	0.00				Auxil	0	0
Sup. Fan Heat	0	0	0	0.00	0	0.00	0	0	0.00				ENGINEERING CKS		
Ret. Fan Heat	0	0	0	0.00	0	0.00	0	0	0.00				% OA	0.0	0.0
Duct Heat Pkup	0	0	0	0.00	0	0.00	0	0	0.00				cfm/ft²	0.10	0.03
Reheat at Design	0	0	0	0.00	0	0.00	0	0	0.00				cfm/ton	536.41	
Grand Total ==>					Grand Total ==>			Grand Total ==>				ft²/ton			
1,715	33	1,747	100.00	1,715	100.00	-259	-644	100.00				Btu/hr-ft²	2.18	-0.80	
												No. People			
												0			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	1.8	78	76.3	63.0	65.5	55.2	55.2	65.4	Floor	800	-0.6	23	55.2	80.0		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.2	1.8								Roof	0	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
										Humidif							
										Opt Vent							
										Total							
										-0.6							

Room Checksums

By ae

C303-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13					
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads														
Skylite Solar	0	0	0	0.00	0	0.00	Skylite Solar	0	0	0.00	SADB	57.7	76.7	
Skylite Cond	0	0	0	0.00	0	0.00	Skylite Cond	0	0	0.00	Plenum	77.4	68.2	
Roof Cond	0	0	0	0.00	0	0.00	Roof Cond	0	0	0.00	Return	77.4	68.2	
Glass Solar	0	0	0	0.00	0	0.00	Glass Solar	0	0	0.00	Ret/OA	77.4	68.2	
Glass Cond	0	0	0	0.00	0	0.00	Glass Cond	0	0	0.00	Fn MtrTD	0.0	0.0	
Wall Cond	0	0	0	0.00	0	0.00	Wall Cond	0	0	0.00	Fn BldTD	0.0	0.0	
Partition	0	0	0	0.00	0	0.00	Partition	0	0	0.00	Fn Frict	0.0	0.0	
Exposed Floor	0	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00				
Infiltration	0	0	0	0.00	0	0.00	Infiltration	0	0	0.00				
Sub Total ==>	0	0	0	0.00	0	0.00	Sub Total ==>	0	0	0.00				
Internal Loads														
Lights	3,495	874	4,369	100.00	3,495	84.45	Lights	0	0	0.00				
People	0	0	0	0.00	0	0.00	People	0	0	0.00				
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00				
Sub Total ==>	3,495	874	4,369	100.00	3,495	84.45	Sub Total ==>	0	0	0.00				
Ceiling Load														
Ventilation Load	644	-644	0	0.00	564	13.62	Ceiling Load	-481	0	0.00				
Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00				
Exhaust Heat	0	0	0	0.00	80	1.94	Ov/Undr Sizing	0	0	0.00				
Sup. Fan Heat	0	0	0	0.00			Exhaust Heat	0	0	0.00				
Ret. Fan Heat	0	0	0	0.00			OA Preheat Diff.	0	0	0.00				
Duct Heat Pkup	0	0	0	0.00			RA Preheat Diff.	0	0	0.00				
Reheat at Design	0	0	0	0.00			Additional Reheat	-755	55.36					
Grand Total ==>	4,139	230	4,369	100.00	4,139	100.00	System Plenum Heat	-609	44.64					
							Grand Total ==>	-481	-1,365	100.00				

AIRFLOWS												
		Cooling	Heating									
Vent		0	0									
Infil		0	0									
Supply		215	65									
MinStop/Rh		65	65									
Return		215	65									
Exhaust		0	0									
Rm Exh		0	0									
Auxil		0	0									

ENGINEERING CKS												
		Cooling	Heating									
% OA		0.0	0.0									
cfm/ft²		0.25	0.08									
cfm/ton		591.47										
ft²/ton		2,334.62										
Btu/hr-ft²		5.14	-1.61									
No. People		0										

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.4	4.4	215	77.4	63.4	65.5	57.7	56.2	65.5	Floor	850	-1.4	65	57.7	76.7		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.4	4.4								Roof	0	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
										Humidif	0.0	0	0	0.0	0.0		
										Opt Vent	0.0	0	0	0.0	0.0		
										Total	-1.4						

Room Checksums

By ae

C305-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating				
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	57.7	76.9		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	77.4	68.2		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	77.4	68.2		
Envelope Loads					Envelope Loads			Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict	0.0	0.0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00								
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00								
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00								
Partition	0	0	0.00	0	0.00	Partition	0	0.00								
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00								
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.02								
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.02								
Internal Loads					Internal Loads			Internal Loads								
Lights	874	219	1,093	100.00	874	83.99	Lights	0	0.00							
People	0	0	0.00	0	0.00	People	0	0.00								
Misc	0	0	0.00	0	0.00	Misc	0	0.00								
Sub Total ==>	874	219	1,093	100.00	874	83.99	Sub Total ==>	0	0.00							
Ceiling Load					Ceiling Load			Ceiling Load								
Ventilation Load	167	-167	0	0.00	146	14.02	Ventilation Load	-125	0.00							
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00								
Exhaust Heat	0	0	0.00	21	1.99	Exhaust Heat	0	0.00								
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00								
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00								
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	-190	54.78								
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	-157	45.20								
Grand Total ==>	1,041	52	1,093	100.00	1,041	100.00	Grand Total ==>	-125	-347	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION							
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg						
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F					
Main Clg	0.1	1.1	1.1	54	77.4	63.4	65.5	57.7	56.2	65.5	Floor	220	0	0	0	Main Htg	-0.4	16	57.7	76.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0	0	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0	0	0	Preheat	0.0	0	0.0	0.0
Total	0.1	1.1									Roof	0	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	0	0	Opt Vent	0.0	0	0.0	0.0
											Total	-0.4								

Room Checksums

By ae

C306-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1							
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total								
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)								
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Cooling	Heating			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Vent	0	0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Infil	0	0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Supply	54	16		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00				MinStop/Rh	16	16		
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00				Return	54	16		
Partition	0	0	0.00	0	0.00	Partition	0	0.00				Exhaust	0	0		
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00				Rm Exh	0	0		
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.02				Auxil	0	0		
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.02				ENGINEERING CKS				
Internal Loads					Internal Loads			Internal Loads				% OA				
Lights	874	219	1,093	100.00	874	83.99	Lights	0	0.00				cfm/ft²	0.25	0.07	
People	0	0	0.00	0	0.00	People	0	0.00				cfm/ton	594.69			
Misc	0	0	0.00	0	0.00	Misc	0	0.00				ft²/ton	2,416.39			
Sub Total ==>	874	219	1,093	100.00	874	83.99	Sub Total ==>	0	0.00				Btu/hr-ft²	4.97	-1.58	
Ceiling Load					Ceiling Load			Ceiling Load				No. People				
Ventilation Load	167	-167	0	0.00	146	14.02	Ventilation Load	-125	0	0.00				0		
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00								
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00								
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00								
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00								
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	-190	54.78								
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	-157	45.20								
Grand Total ==>	1,041	52	1,093	100.00	1,041	100.00	Grand Total ==>	-125	-347	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.1	1.1	1.1	54	77.4	63.4	65.5	57.7	56.2	65.5	Floor	220	-0.4	16	57.7	76.9	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0	
Total	0.1	1.1									Roof	0	0	0	0.0	0.0	
											Wall	0	0	0	0.0	0.0	
											Total	-0.4					

Room Checksums

By ae

C307-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1						
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13						
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total							
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Cooling	Heating		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Vent	0	0	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Infil	0	0	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Supply	82	25	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00				MinStop/Rh	25	25	
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00				Return	82	25	
Partition	0	0	0.00	0	0.00	Partition	0	0.00				Exhaust	0	0	
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00				Rm Exh	0	0	
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01				Auxil	0	0	
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01				ENGINEERING CKS			
Internal Loads					Internal Loads			Internal Loads				% OA			
Lights	1,310	328	1,638	100.00	1,310	82.77	Lights	0	0.00				cfm/ft²	0.23	0.07
People	0	0	0.00	0	0.00	People	0	0.00				cfm/ton	603.41		
Misc	0	0	0.00	0	0.00	Misc	0	0.00				ft²/ton	2,637.58		
Sub Total ==>	1,310	328	1,638	100.00	1,310	82.77	Sub Total ==>	0	0.00				Btu/hr-ft²	4.55	-1.51
Ceiling Load					Ceiling Load			Ceiling Load				No. People			
Ventilation Load	273	-273	0	0.00	239	15.08	Ventilation Load	-204	0.00				0		
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00							
Exhaust Heat	0	0	0.00	34	2.14	Exhaust Heat	0	0.00							
Sup. Fan Heat	0	0	0.00			OA Preheat Diff.	0	0.00							
Ret. Fan Heat	0	0	0.00			RA Preheat Diff.	0	0.00							
Duct Heat Pkup	0	0	0.00			Additional Reheat	-289	53.33							
Reheat at Design	0	0	0.00			System Plenum Heat	-253	46.66							
Grand Total ==>	1,583	55	1,638	100.00	1,583	100.00	Grand Total ==>	-204	-542	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.1	1.6	82	77.4	63.4	65.5	57.7	56.2	65.5	Floor	360	-0.5	25	57.7	77.4		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.1	1.6								Roof	0	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
										Total	-0.5						

Room Checksums

By ae

C309-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 14			Mo/Hr: 13 / 1				Cooling Heating		
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91			OADB: 13				SADB	55.2	78.3
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Plenum	76.3	69.0
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	76.3	69.0
Envelope Loads														
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	0	0	0.00	Fn MtrTD	0.0	0.0
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	0	0	0.00	Fn BldTD	0.0	0.0
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	0	0	0.00	Fn Frict	0.0	0.0
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	0	0	0.00			
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	0	0	0.00			
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	0	0	0.00			
Partition	0	0	0.00	0	0.00	Partition	0	0.00	0	0	0.00			
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	0	0	0.00			
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.00	0	0	0.00			
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.00	0	0	0.00			
Internal Loads														
Lights	8,737	2,184	10,922	100.00	8,737	84.66	Lights	0	0	0.00		Supply	470	141
People	0	0	0.00	0	0.00	0	0.00	People	0	0	0.00	MinStop/Rh	141	141
Misc	0	0	0.00	0	0.00	0	0.00	Misc	0	0	0.00	Return	470	141
Sub Total ==>	8,737	2,184	10,922	100.00	8,737	84.66	Sub Total ==>	0	0	0.00		Exhaust	0	0
Ceiling Load														
Ceiling Load	1,583	-1,583	0	0.00	1,206	11.69	Ceiling Load	-1,297	0	0.00		Rm Exh	0	0
Ventilation Load	0	0	0.00	0	0.00	0	0.00	Ventilation Load	0	0	0.00	Auxil	0	0
Ov/Undr Sizing	0	0	0.00	377	3.65	377	3.65	Ov/Undr Sizing	0	0	0.00			
Exhaust Heat	0	0	0.00	0	0.00	0	0.00	Exhaust Heat	0	0	0.00			
Sup. Fan Heat	0	0	0.00	0	0.00	0	0.00	OA Preheat Diff.	0	0	0.00			
Ret. Fan Heat	0	0	0.00	0	0.00	0	0.00	RA Preheat Diff.	0	0	0.00			
Duct Heat Pkup	0	0	0.00	0	0.00	0	0.00	Additional Reheat	-2,154	59.65				
Reheat at Design	0	0	0.00	0	0.00	0	0.00	System Plenum Heat	-1,457	40.35				
Grand Total ==>	10,320	601	10,922	100.00	10,320	100.00	Grand Total ==>	-1,297	-3,611	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.9	10.9	10.9	470	76.3	63.0	65.5	55.2	55.2	65.4	Floor	4,000					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	-3.6	141	55.2	78.3	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0	
Total	0.9	10.9									Roof	0	0.0	0	0.0	0.0	
											Wall	0	0.0	0	0.0	0.0	
											Total	-3.6					

Room Checksums

By ae

C310-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 14					Mo/Hr: 6 / 14					Mo/Hr: 13 / 1							
Outside Air: OADB/WB/HR: 91 / 76 / 114					OADB: 88					OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total		Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total		SADB	Cooling	Heating			
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)		Btu/h	Btu/h	(%)							
Envelope Loads																	
Skylite Solar	0	0	0	0.00	0	0.00		0	0	0.00		Skylite Solar	0	0			
Skylite Cond	0	0	0	0.00	0	0.00		0	0	0.00		Skylite Cond	0	0			
Roof Cond	0	0	0	0.00	0	0.00		0	0	0.00		Roof Cond	0	0			
Glass Solar	0	0	0	0.00	0	0.00		0	0	0.00		Glass Solar	0	0			
Glass Cond	0	0	0	0.00	0	0.00		0	0	0.00		Glass Cond	0	0			
Wall Cond	0	0	0	0.00	0	0.00		0	0	0.00		Wall Cond	0	0			
Partition	0	0	0	0.00	0	0.00		0	0	0.00		Partition	0	0			
Exposed Floor	0	0	0	0.00	0	0.00		0	0	0.00		Exposed Floor	0	0			
Infiltration	0	0	0	0.00	0	0.00		0	0	0.00		Infiltration	0	0			
<i>Sub Total ==></i>	0	0	0	0.00	0	0.00		0	0	0.00		<i>Sub Total ==></i>	0	0			
Internal Loads																	
Lights	15,294	3,823	19,117	100.00	15,294	91.05		0	0	0.00		Lights	0	0			
People	0	0	0	0.00	0	0.00		0	0	0.00		People	0	0			
Misc	0	0	0	0.00	0	0.00		0	0	0.00		Misc	0	0			
<i>Sub Total ==></i>	15,294	3,823	19,117	100.00	15,294	91.05		0	0	0.00		<i>Sub Total ==></i>	0	0			
Ceiling Load																	
Ventilation Load	1,504	-1,504	0	0.00	1,146	6.82		-1,232	0	0.00		Ventilation Load	0	0			
Ov/Undr Sizing	0	0	0	0.00	358	2.13		0	0	0.00		Ov/Undr Sizing	0	0			
Exhaust Heat	0	0	0	0.00	0	0.00		0	0	0.00		Exhaust Heat	0	0			
Sup. Fan Heat	0	0	0	0.00	0	0.00		0	0	0.00		OA Preheat Diff.	0	0			
Ret. Fan Heat	0	0	0	0.00	0	0.00		0	0	0.00		RA Preheat Diff.	0	0			
Duct Heat Pkup	0	0	0	0.00	0	0.00		-3,506	70.14			Additional Reheat	-3,506	70.14			
Reheat at Design	0	0	0	0.00	0	0.00		-1,493	29.86			System Plenum Heat	-1,493	29.86			
<i>Grand Total ==></i>	16,797	2,320	19,117	100.00	16,797	100.00		-1,232	-4,998	100.00		<i>Grand Total ==></i>	-1,232	-4,998			

AIRFLOWS															
			Cooling	Heating											
Vent			0	0											
Infil			0	0											
Supply			765	230											
MinStop/Rh			230	230											
Return			765	230											
Exhaust			0	0											
Rm Exh			0	0											
Auxil			0	0											

ENGINEERING CKS															
			Cooling	Heating											
% OA			0.0	0.0											
cfm/ft²			0.20	0.06											
cfm/ton			480.37												
ft³/ton			2,385.32												
Btu/hr-ft²			5.03	-1.32											
No. People			0												

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total			Glass	Capacity	Coil Airflow	Ent	Lvg					
ton	MBh	MBh	°F °F gr/lb	°F °F gr/lb			ft² (%)	MBh	cfm	°F	°F						
Main Clg	1.6	19.1	19.1	76.3	63.0	65.5	55.2	54.6	63.1	-5.0	230	55.2	74.8				
Aux Clg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0			
<i>Total</i>	1.6	19.1															

HEATING COIL SELECTION														
			Capacity	Coil Airflow	Ent	Lvg								
			MBh	cfm	°F	°F								
Main Htg			-5.0	230	55.2	74.8								
Aux Htg			0.0	0	0.0	0.0								
Preheat			0.0	0	0.0	0.0								
Humidif			0.0	0	0.0	0.0								
Opt Vent			0.0	0	0.0	0.0								
<i>Total</i>			-5.0											

Room Checksums

By ae

C400-CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 21					Mo/Hr: 7 / 21					Mo/Hr: 13 / 1							
Outside Air: OADB/WB/HR: 80 / 73 / 110					OADB: 80					OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total			Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total		SADB	Cooling	Heating		
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)			Btu/h	Btu/h	(%)						
Envelope Loads																	
Skylite Solar	0	0	0	0.00	0	0.00			Skylite Solar	0	0	0.00					
Skylite Cond	0	0	0	0.00	0	0.00			Skylite Cond	0	0	0.00					
Roof Cond	0	1,393	1,393	38.91	0	0.00			Roof Cond	0	-1,653	130.68					
Glass Solar	0	0	0	0.00	0	0.00			Glass Solar	0	0	0.00					
Glass Cond	0	0	0	0.00	0	0.00			Glass Cond	0	0	0.00					
Wall Cond	0	0	0	0.00	0	0.00			Wall Cond	0	0	0.00					
Partition	0	0	0	0.00	0	0.00			Partition	0	0	0.00					
Exposed Floor	0	0	0	0.00	0	0.00			Exposed Floor	0	0	0.00					
Infiltration	0	0	0	0.00	0	0.00			Infiltration	0	0	0.00					
Sub Total ==>	0	1,393	1,393	38.91	0	0.00			Sub Total ==>	0	-1,653	130.68					
Internal Loads																	
Lights	1,749	437	2,187	61.09	1,749	87.47			Lights	0	0	0.00					
People	0	0	0	0.00	0	0.00			People	0	0	0.00					
Misc	0	0	0	0.00	0	0.00			Misc	0	0	0.00					
Sub Total ==>	1,749	437	2,187	61.09	1,749	87.47			Sub Total ==>	0	0	0.00					
Ceiling Load																	
Ventilation Load	251	-251	0	0.00	145	7.25			Ceiling Load	-827	0	0.00					
Ov/Undr Sizing	0	0	0	0.00	106	5.28			Ventilation Load	0	0	0.00					
Exhaust Heat	0	0	0	0.00	0	0.00			Ov/Undr Sizing	0	0	0.00					
Sup. Fan Heat	0	0	0	0.00	0	0.00			Exhaust Heat	0	0	0.00					
Ret. Fan Heat	0	0	0	0.00	0	0.00			OA Preheat Diff.	0	0	0.00					
Duct Heat Pkup	0	0	0	0.00	0	0.00			RA Preheat Diff.	0	0	0.00					
Reheat at Design	0	0	0	0.00	0	0.00			Additional Reheat	-334	26.37						
Grand Total ==>	2,000	1,579	3,579	100.00	2,000	100.00			System Plenum Heat	722	-57.05						
Grand Total ==>	2,000	1,579	3,579	100.00	2,000	100.00			Grand Total ==>	-827	-1,265	100.00					

AIRFLOWS			ENGINEERING CKS		
	Cooling	Heating		Cooling	Heating
Vent	0	0	% OA	0.0	0.0
Infil	0	0	cfm/ft²	0.12	0.04
Supply	97	29	cfm/ton	326.50	
MinStop/Rh	29	29	ft²/ton	2,715.57	
Return	97	29	Btu/hr-ft²	4.42	-1.56
Exhaust	0	0	No. People	0	
Rm Exh	0	0			
Auxil	0	0			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.3	3.6	97	76.0	62.9	65.4	56.5	50.1	43.8	Floor	810						
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0						
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0						
Total	0.3	3.6								Roof	810	0	0				
										Wall	0	0	0				
										Main Htg	-1.3	29	56.5	95.5			
										Aux Htg	0.0	0	0.0	0.0			
										Preheat	0.0	0	0.0	0.0			
										Humidif	0.0	0	0.0	0.0			
										Opt Vent	0.0	0	0.0	0.0			
										Total	-1.3						

Room Checksums

By ae

C402A-JANITORS CLOSET

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 21					Mo/Hr: 7 / 21					Mo/Hr: 13 / 1							
Outside Air: OADB/WB/HR: 80 / 73 / 110					OADB: 80					OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				SADB	Cooling	Heating			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)									
Envelope Loads																	
Skylite Solar	0	0	0	0.00	0	0.00	Skylite Solar	0	0	0.00							
Skylite Cond	0	0	0	0.00	0	0.00	Skylite Cond	0	0	0.00							
Roof Cond	0	69	69	23.94	0	0.00	Roof Cond	0	-82	99.69							
Glass Solar	0	0	0	0.00	0	0.00	Glass Solar	0	0	0.00							
Glass Cond	0	0	0	0.00	0	0.00	Glass Cond	0	0	0.00							
Wall Cond	0	0	0	0.00	0	0.00	Wall Cond	0	0	0.00							
Partition	0	0	0	0.00	0	0.00	Partition	0	0	0.00							
Exposed Floor	0	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00							
Infiltration	0	0	0	0.00	0	0.01	Infiltration	0	0	0.07							
Sub Total ==>	0	69	69	23.95	0	0.01	Sub Total ==>	0	-82	99.77							
Internal Loads																	
Lights	175	44	218	76.05	175	93.38	Lights	0	0	0.00							
People	0	0	0	0.00	0	0.00	People	0	0	0.00							
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00							
Sub Total ==>	175	44	218	76.05	175	93.38	Sub Total ==>	0	0	0.00							
Ceiling Load																	
Ceiling Load	12	-12	0	0.00	7	3.83	Ceiling Load	-41	0	0.00							
Ventilation Load	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00							
Ov/Undr Sizing	0	0	0	0.00	5	2.79	Ov/Undr Sizing	0	0	0.00							
Exhaust Heat		0	0	0.00			Exhaust Heat		0	0.00							
Sup. Fan Heat			0	0.00			OA Preheat Diff.		0	0.00							
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		0	0.00							
Duct Heat Pkup		0	0	0.00			Additional Reheat		-31	38.11							
Reheat at Design			0	0.00			System Plenum Heat		31	-37.88							
Grand Total ==>	187	100	287	100.00	187	100.00	Grand Total ==>	-41	-82	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.0	0.3	9	76.0	62.9	65.4	56.5	52.1	51.3	Floor	40	-0.1	3	56.5	83.5		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.0	0.3								Roof	40	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
										Total	-0.1						

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	9	3
MinStop/Rh	3	3
Return	9	3
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.23	0.07
cfm/ton	380.72	
ft³/ton	1,671.22	
Btu/hr-ft²	7.18	-2.05
No. People	0	

Room Checksums

By ae

E11-ELEC CLOSET

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91					OADB: 13					SADB	57.7	55.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	91.0	68.2			
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	0	0	0.00	Fn MtrTD	0.0	0.0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	0	0	0.00	Fn BldTD	0.0	0.0			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	0	0	0.00	Fn Frict	0.0	0.0			
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	0	0	0.00	AIRFLOWS					
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	0	0	0.00	Cooling Heating					
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	0	0	0.00	Vent	0	0			
Partition	0	0	0.00	0	0.00	Partition	0	0.00	0	0	0.00	Infil	0	0			
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	0	0	0.00	Supply	0	0			
Infiltration	0	0	0.00	0	0.00	Infiltration	0	-100.00	0	0	-100.00	MinStop/Rh	0	0			
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	-100.00	0	0	-100.00	Return	0	0			
Internal Loads																	
Lights	175	44	218	81.85	175	6,500.00	Lights	0	0	0.00	Exhaust	0	0				
People	0	0	0.00	0	0.00	People	0	0.00	0	0	0.00	Rm Exh	0	0			
Misc	0	0	0.00	0	0.00	Misc	0	0.00	0	0	0.00	Auxil	0	0			
Sub Total ==>	175	44	218	81.85	175	6,500.00	Sub Total ==>	0	0	0.00	ENGINEERING CKS						
Ceiling Load																	
Ceiling Load	-223	223	0	0.00	-227	1,306.67	Ceiling Load	167	0	0.00	Cooling Heating						
Ventilation Load	0	0	0.00	0	0.00	Ventilation Load	0	0.00	0	0	0.00	% OA	0.0	0.0			
Ov/Undr Sizing	48	0	48	18.15	52	4,906.67	Ov/Undr Sizing	0	0	0.00	cfm/ft²	0.00	0.00				
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	-20.00	0	0	0.00	cfm/ton	0.00				
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00	0	0	0.00	ft²/ton	1,798.59				
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	-167	760.00	0	0	0.00	Btu/hr-ft²	6.67	0.00			
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	0	-20.00	0	0	0.00	No. People	0				
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	168	000.00	0	0	0.00						
Grand Total ==>	0	267	267	100.00	0	100.00	Grand Total ==>	167	0	100.00							

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	40		
Part	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			°F	Lvg °F
Main Htg	0.0	0	62.9	55.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By ae

E12-ELECTRICAL CLOSET

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 91 / 77 / 118					OADB: 91					OADB: 13					SADB	58.5	55.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total			Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total		Plenum	78.5	70.0		
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)			Btu/h	Btu/h	(%)		Return	78.5	70.0		
Envelope Loads																	
Skylite Solar	0	0	0	0.00	0	0.00			Skylite Solar	0	0	0.00	Ret/OA	91.0	70.0		
Skylite Cond	0	0	0	0.00	0	0.00			Skylite Cond	0	0	0.00	Fn MtrTD	0.0	0.0		
Roof Cond	0	0	0	0.00	0	0.00			Roof Cond	0	0	0.00	Fn BldTD	0.0	0.0		
Glass Solar	0	0	0	0.00	0	0.00			Glass Solar	0	0	0.00	Fn Frict	0.0	0.0		
Glass Cond	0	0	0	0.00	0	0.00			Glass Cond	0	0	0.00					
Wall Cond	0	0	0	0.00	0	0.00			Wall Cond	0	0	0.00					
Partition	0	0	0	0.00	0	0.00			Partition	0	0	0.00					
Exposed Floor	0	0	0	0.00	0	0.00			Exposed Floor	0	0	0.00					
Infiltration	0	0	0	0.00	0	0.00			Infiltration	0	0	-100.00					
Sub Total ==>	0	0	0	0.00	0	0.00			Sub Total ==>	0	0	-100.00					
Internal Loads																	
Lights	175	44	218	71.49	175	6,500.00			Lights	0	0	0.00					
People	0	0	0	0.00	0	0.00			People	0	0	0.00					
Misc	0	0	0	0.00	0	0.00			Misc	0	0	0.00					
Sub Total ==>	175	44	218	71.49	175	6,500.00			Sub Total ==>	0	0	0.00					
Ceiling Load																	
	-262	262	0	0.00	-262	4,666.67			Ceiling Load	237	0	0.00					
Ventilation Load	0	0	0	0.00	0	0.00			Ventilation Load	0	0	0.00					
Ov/Undr Sizing	87	0	87	28.51	87	8,266.67			Ov/Undr Sizing	0	0	0.00					
Exhaust Heat	0	0	0	0.00	0	0.00			Exhaust Heat	0	-40.00						
Sup. Fan Heat	0	0	0	0.00	0	0.00			OA Preheat Diff.	0	0.00						
Ret. Fan Heat	0	0	0	0.00	0	0.00			RA Preheat Diff.	-237	580.00						
Duct Heat Pkup	0	0	0	0.00	0	0.00			Additional Reheat	0	-20.00						
Reheat at Design	0	0	0	0.00	0	0.00			System Plenum Heat	237	840.00						
Grand Total ==>	0	306	306	100.00	0	100.00			Grand Total ==>	237	0	100.00					

AIRFLOWS															
Cooling Heating															
Vent	0	0													
Infil	0	0													
Supply	0	0													
MinStop/Rh	0	0													
Return	0	0													
Exhaust	0	0													
Rm Exh	0	0													
Auxil	0	0													

ENGINEERING CKS															
Cooling Heating															
% OA	0.0	0.0													
cfm/ft²	0.00	0.00													
cfm/ton	0.00														
ft²/ton	1,963.64														
Btu/hr-ft²	6.11	0.00													
No. People	0														

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg				
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F			
Main Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Floor	50	0.0	0	64.1	55.0			
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0			
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0			
										Roof	0	0	0					
Total	0.0	0.0								Wall	0	0	0					
												Humidif	0.0	0	0.0	0.0		
												Opt Vent	0.0	0	0.0	0.0		
												Total	0.0					

Room Checksums

By ae

E21-ELECTRICAL CLOSET

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1						
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13						
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total							
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Cooling	Heating		
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Vent	0	0	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Infil	0	0	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Supply	11	3	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00				MinStop/Rh	3	3	
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00				Return	11	3	
Partition	0	0	0.00	0	0.00	Partition	0	0.00				Exhaust	0	0	
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00				Rm Exh	0	0	
Infiltration	0	0	0.01	0	0.01	Infiltration	0	0.08				Auxil	0	0	
Sub Total ==>	0	0	0.01	0	0.01	Sub Total ==>	0	0.08				ENGINEERING CKS			
Internal Loads					Internal Loads			Internal Loads				% OA			
Lights	175	44	219	99.99	175	81.32	Lights	0	0.00				cfm/ft²	0.21	0.06
People	0	0	0.00	0	0.00	People	0	0.00				cfm/ton	614.16		
Misc	0	0	0.00	0	0.00	Misc	0	0.00				ft²/ton	2,910.10		
Sub Total ==>	175	44	219	99.99	175	81.32	Sub Total ==>	0	0.00				Btu/hr-ft²	4.12	-1.43
Ceiling Load					Ceiling Load			Ceiling Load				No. People			
Ventilation Load	40	-40	0	0.00	35	16.35	Ventilation Load	-30	0.00				0		
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00							
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00							
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00							
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00							
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	-39	51.66							
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	-37	48.26							
Grand Total ==>	215	4	219	100.00	215	100.00	Grand Total ==>	-30	-76	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.0	0.2	11	77.4	63.4	65.5	57.7	56.2	65.5	Floor	53	-0.1	3	57.7	78.1		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.0	0.2								Roof	0	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
										Total	-0.1						

Room Checksums

By ae

E22-ELECTRICAL CLOSET

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1				Cooling		Heating	
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13				SADB	55.2	72.9	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	76.3	69.0			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	76.3	69.0			
Envelope Loads														
Skylite Solar	0	0	0	0.00	0	0.00	Skylite Solar	0	0	0.00	Fn MtrTD	0.0	0.0	
Skylite Cond	0	0	0	0.00	0	0.00	Skylite Cond	0	0	0.00	Fn BldTD	0.0	0.0	
Roof Cond	0	0	0	0.00	0	0.00	Roof Cond	0	0	0.00	Fn Frict	0.0	0.0	
Glass Solar	0	0	0	0.00	0	0.00	Glass Solar	0	0	0.00				
Glass Cond	0	0	0	0.00	0	0.00	Glass Cond	0	0	0.00				
Wall Cond	0	0	0	0.00	0	0.00	Wall Cond	0	0	0.00				
Partition	0	0	0	0.00	0	0.00	Partition	0	0	0.00				
Exposed Floor	0	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00				
Infiltration	0	0	0	0.00	0	0.01	Infiltration	0	0	0.06				
Sub Total ==>	0	0	0	0.00	0	0.01	Sub Total ==>	0	0	0.06				
Internal Loads														
Lights	349	87	437	100.00	349	94.64	Lights	0	0	0.00				
People	0	0	0	0.00	0	0.00	People	0	0	0.00				
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00				
Sub Total ==>	349	87	437	100.00	349	94.64	Sub Total ==>	0	0	0.00				
Ceiling Load														
Ventilation Load	20	-20	0	0.00	15	4.08	Ceiling Load	-16	0	0.00				
Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00				
Exhaust Heat	0	0	0	0.00	5	1.28	Ov/Undr Sizing	0	0	0.00				
Sup. Fan Heat	0	0	0	0.00	0	0.00	Exhaust Heat	0	0	0.00				
Ret. Fan Heat	0	0	0	0.00	0	0.00	OA Preheat Diff.	0	0	0.00				
Duct Heat PkUp	0	0	0	0.00	0	0.00	RA Preheat Diff.	0	0	0.00				
Reheat at Design	0	0	0	0.00	0	0.00	Additional Reheat	-77	77.80					
Grand Total ==>	369	68	437	100.00	369	100.00	System Plenum Heat	-22	22.14					
Grand Total ==>							Grand Total ==>	-16	-99	100.00				

AIRFLOWS												
		Cooling		Heating						Cooling		Heating
Vent		0	0							0	0	
Infil		0	0							0	0	
Supply		17	5							17	5	
MinStop/Rh		5	5							5	5	
Return		17	5							17	5	
Exhaust		0	0							0	0	
Rm Exh		0	0							0	0	
Auxil		0	0							0	0	

ENGINEERING CKS												
		Cooling		Heating						Cooling		Heating
% OA		0.0	0.0							0.0	0.0	
cfm/ft²		0.34	0.10							0.34	0.10	
cfm/ton		462.13								462.13		
ft²/ton		1,373.31								1,373.31		
Btu/hr-ft²		8.74	-1.98							8.74	-1.98	
No. People		0								0		

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.0	0.4	17	76.3	63.0	65.5	55.2	54.3	61.7	Floor	50	5	55.2	72.9			
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0	0.0	0.0			
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0	0.0	0.0			
Total	0.0	0.4								Roof	0	0	0.0	0.0			
										Wall	0	0	0.0	0.0			
										Humidif	0.0	0	0.0	0.0			
										Opt Vent	0.0	0	0.0	0.0			
										Total	-0.1						

Room Checksums

By ae

E31-ELECTRICAL CLOSET

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1						
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13						
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total							
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Vent	Cooling	Heating	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Infil	0	0	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Supply	11	3	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				MinStop/Rh	3	3	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00				Return	11	3	
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00				Exhaust	0	0	
Partition	0	0	0.00	0	0.00	Partition	0	0.00				Rm Exh	0	0	
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00				Auxil	0	0	
Infiltration	0	0	0.01	0	0.01	Infiltration	0	0.09				ENGINEERING CKS			
<i>Sub Total ==></i>	0	0	0.01	0	0.01	<i>Sub Total ==></i>	0	0.09				% OA	0.0	0.0	
Internal Loads					Internal Loads			Internal Loads				cfm/ft²	0.24	0.07	
Lights	175	44	218	99.99	175	83.67	Lights	0	0.00				cfm/ton	596.91	
People	0	0	0.00	0	0.00	People	0	0.00				ft²/ton	2,472.15		
Misc	0	0	0.00	0	0.00	Misc	0	0.00				Btu/hr-ft²	4.85	-1.56	
<i>Sub Total ==></i>	175	44	218	99.99	175	83.67	<i>Sub Total ==></i>	0	0.00				No. People	0	
Ceiling Load					Ceiling Load			Ceiling Load							
Ventilation Load	34	-34	0	0.00	30	14.29	Ventilation Load	-25	0	0.00					
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00							
Exhaust Heat	0	0	0.00	4	2.03	Exhaust Heat	0	0.00							
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00							
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00							
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	-38	54.36							
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	-32	45.55							
Grand Total ==>	209	10	218	100.00	209	100.00	Grand Total ==>	-26	-70	100.00					

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.0	0.2	0.2	11	77.4	63.4	65.5	57.7	56.2	65.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.2								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	45		
Part	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			°F	Lvg °F
Main Htg	-0.1	3	57.7	77.1
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.1			

Room Checksums

By ae

E32-ELECTRICAL CLOSET

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating			
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	75.5	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.3	69.0	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.3	69.0	
Envelope Loads					Envelope Loads			Envelope Loads							
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn MtrTD			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn BldTD			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Roof Cond	0	0.00	Fn Frict			
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Glass Solar	0	0.00				
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	Glass Cond	0	0.00				
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	Wall Cond	0	0.00				
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00				
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00				
Infiltration	0	0	0.01	0	0.01	Infiltration	0	0.01	Infiltration	0	0.10				
Sub Total ==>	0	0	0.01	0	0.01	Sub Total ==>	0	0.01	Sub Total ==>	0	0.10				
Internal Loads					Internal Loads			Internal Loads							
Lights	175	44	218	99.99	175	89.82	Lights	0	0.00	Lights	0	0.00	Vent		
People	0	0	0	0.00	0	0.00	People	0	0.00	People	0	0.00	Infil		
Misc	0	0	0	0.00	0	0.00	Misc	0	0.00	Misc	0	0.00	Supply		
Sub Total ==>	175	44	218	99.99	175	89.82	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	MinStop/Rh		
Ceiling Load					Ceiling Load			Ceiling Load							
Ventilation Load	20	-20	0	0.00	15	7.75	Ventilation Load	-16	0.00	Ventilation Load	0	0.00	Return		
Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00	Exhaust		
Exhaust Heat	0	0	0	0.00	5	2.42	Exhaust Heat	0	0.00	Exhaust Heat	0	0.00	Rm Exh		
Sup. Fan Heat	0	0	0	0.00			OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	Auxil		
Ret. Fan Heat	0	0	0	0.00			RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00			
Duct Heat Pkup	0	0	0	0.00			Additional Reheat	-41	67.80	Additional Reheat	-41	67.80			
Reheat at Design	0	0	0	0.00			System Plenum Heat	-19	32.10	System Plenum Heat	-19	32.10			
Grand Total ==>	195	24	218	100.00	195	100.00	Grand Total ==>	-16	-60	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.0	0.2	9	76.3	63.0	65.5	55.2	54.7	63.6	Floor	50	-0.1	3	55.2	75.5		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.0	0.2								Roof	0	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
										Total	-0.1						

Room Checksums

By ae

E41-ELECTRICAL CLOSET

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 21					Mo/Hr: 7 / 21					Mo/Hr: 13 / 1							
Outside Air: OADB/WB/HR: 80 / 73 / 110					OADB: 80					OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				SADB	Cooling	Heating			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)									
Envelope Loads					Envelope Loads					Envelope Loads							
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Skylite Solar	56.5	83.5			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Plenum	76.0	66.8			
Roof Cond	0	69	23.94	0	0.00	Roof Cond	0	0.00	Roof Cond	0	-82	99.69	Return	76.0	66.8		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	Glass Solar	0	0	0.00	Ret/OA	76.0	66.8		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	Glass Cond	0	0	0.00	Fn MtrTD	0.0	0.0		
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	Wall Cond	0	0	0.00	Fn BldTD	0.0	0.0		
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0	0.00	Fn Frict	0.0	0.0		
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0	0.00					
Infiltration	0	0	0.00	0	0.01	Infiltration	0	0.01	Infiltration	0	0	0.07					
Sub Total ==>	0	69	23.95	0	0.01	Sub Total ==>	0	0.01	Sub Total ==>	0	-82	99.77					
Internal Loads					Internal Loads					Internal Loads							
Lights	175	44	218	76.05	175	93.38	Lights	0	0.00	Lights	0	0.00	Vent	0	0		
People	0	0	0.00	0	0.00	People	0	0.00	People	0	0	0.00	Infil	0	0		
Misc	0	0	0.00	0	0.00	Misc	0	0.00	Misc	0	0	0.00	Supply	9	3		
Sub Total ==>	175	44	218	76.05	175	93.38	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	MinStop/Rh	3	3		
Ceiling Load					Ceiling Load					Ceiling Load							
Ventilation Load	0	0	0.00	0	0.00	Ventilation Load	0	0.00	Ventilation Load	0	0	0.00	Return	9	3		
Ov/Undr Sizing	0	0	0.00	5	2.79	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0	0.00	Exhaust	0	0		
Exhaust Heat		0	0.00			Exhaust Heat		0.00	Exhaust Heat		0	0.00	Rm Exh	0	0		
Sup. Fan Heat		0	0.00			OA Preheat Diff.		0.00	OA Preheat Diff.		0	0.00	Auxil	0	0		
Ret. Fan Heat		0	0.00			RA Preheat Diff.		0.00	RA Preheat Diff.		0	0.00					
Duct Heat Pkup		0	0.00			Additional Reheat		-31	38.11	Additional Reheat		-31	38.11				
Reheat at Design		0	0.00			System Plenum Heat		31	-37.88	System Plenum Heat		31	-37.88				
Grand Total ==>	187	100	287	100.00	187	100.00	Grand Total ==>	-41	-82	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.0	0.3	9	76.0	62.9	65.4	56.5	52.1	51.3	Floor	40	-0.1	3	56.5	83.5		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.0	0.3								Roof	40	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
										Total	-0.1						

Room Checksums

By ae

R11-WOMEN TOILET

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1				Cooling		Heating	
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13				SADB	57.7	74.9	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)			0.0	0.0	0.0	
Envelope Loads														
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00						
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00						
Roof Cond	0	0	0.00	0	0.00	0	0	0.00						
Glass Solar	0	0	0.00	0	0.00	0	0	0.00						
Glass Cond	0	0	0.00	0	0.00	0	0	0.00						
Wall Cond	0	0	0.00	0	0.00	0	0	0.00						
Partition	0	0	0.00	0	0.00	0	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00						
Infiltration	0	0	0.00	0	0.00	0	0	0.01						
Sub Total ==>	0	0	0.00	0	0.00	0	0	0.01						
Internal Loads														
Lights	2,097	524	2,621	100.00	2,097	88.77	0	0.00						
People	0	0	0	0.00	0	0.00	0	0.00						
Misc	0	0	0	0.00	0	0.00	0	0.00						
Sub Total ==>	2,097	524	2,621	100.00	2,097	88.77	0	0.00						
Ceiling Load														
Ventilation Load	265	-265	0	0.00	232	9.83	0	0.00						
Ov/Undr Sizing	0	0	0	0.00	33	1.40	0	0.00						
Exhaust Heat	0	0	0	0.00	0	0.00	0	0.00						
Sup. Fan Heat	0	0	0	0.00	0	0.00	0	0.00						
Ret. Fan Heat	0	0	0	0.00	0	0.00	0	0.00						
Duct Heat Pkup	0	0	0	0.00	0	0.00	0	0.00						
Reheat at Design	0	0	0	0.00	0	0.00	0	0.00						
Grand Total ==>	2,362	259	2,621	100.00	2,362	100.00	-198	-702	100.00					

AIRFLOWS														
	Cooling		Heating											
Vent	0	0	0	0										
Infil	0	0	0	0										
Supply	123	37	123	37										
MinStop/Rh	37	37	37	37										
Return	123	37	123	37										
Exhaust	0	0	0	0										
Rm Exh	0	0	0	0										
Auxil	0	0	0	0										

ENGINEERING CKS														
	Cooling		Heating											
% OA	0.0	0.0	0.0	0.0										
cfm/ft²	0.35	0.11	0.35	0.11										
cfm/ton	562.62		562.62											
ft³/ton	1,602.52		1,602.52											
Btu/hr-ft²	7.49	-2.01	7.49	-2.01										
No. People	0		0											

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.6	123	77.4	63.4	65.5	57.7	56.2	65.5	Floor	350	-0.7	37	57.7	74.9		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.2	2.6								Roof	0	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
										Total	-0.7						

Room Checksums

By ae

R12-MEN TOILET

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13					
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads														
Skylite Solar	0	0	0	0.00	0	0.00	Skylite Solar	0	0	0.00	SADB	57.7	74.9	
Skylite Cond	0	0	0	0.00	0	0.00	Skylite Cond	0	0	0.00	Plenum	77.4	68.2	
Roof Cond	0	0	0	0.00	0	0.00	Roof Cond	0	0	0.00	Return	77.4	68.2	
Glass Solar	0	0	0	0.00	0	0.00	Glass Solar	0	0	0.00	Ret/OA	77.4	68.2	
Glass Cond	0	0	0	0.00	0	0.00	Glass Cond	0	0	0.00	Fn MtrTD	0.0	0.0	
Wall Cond	0	0	0	0.00	0	0.00	Wall Cond	0	0	0.00	Fn BldTD	0.0	0.0	
Partition	0	0	0	0.00	0	0.00	Partition	0	0	0.00	Fn Frict	0.0	0.0	
Exposed Floor	0	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00				
Infiltration	0	0	0	0.00	0	0.00	Infiltration	0	0	0.01				
Sub Total ==>	0	0	0	0.00	0	0.00	Sub Total ==>	0	0	0.01				
Internal Loads														
Lights	2,097	524	2,621	100.00	2,097	88.77	Lights	0	0	0.00				
People	0	0	0	0.00	0	0.00	People	0	0	0.00				
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00				
Sub Total ==>	2,097	524	2,621	100.00	2,097	88.77	Sub Total ==>	0	0	0.00				
Ceiling Load														
Ventilation Load	265	-265	0	0.00	232	9.83	Ceiling Load	-198	0	0.00				
Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00				
Exhaust Heat	0	0	0	0.00	33	1.40	Ov/Undr Sizing	0	0	0.00				
Sup. Fan Heat	0	0	0	0.00			Exhaust Heat	0	0	0.00				
Ret. Fan Heat	0	0	0	0.00			OA Preheat Diff.	0	0	0.00				
Duct Heat Pkup	0	0	0	0.00			RA Preheat Diff.	0	0	0.00				
Reheat at Design	0	0	0	0.00			Additional Reheat	-431	61.38					
Grand Total ==>	2,362	259	2,621	100.00	2,362	100.00	System Plenum Heat	-271	38.61					
Grand Total ==>	2,362	259	2,621	100.00	2,362	100.00	Grand Total ==>	-198	-702	100.00				

AIRFLOWS			
	Cooling	Heating	
Vent	0	0	
Infil	0	0	
Supply	123	37	
MinStop/Rh	37	37	
Return	123	37	
Exhaust	0	0	
Rm Exh	0	0	
Auxil	0	0	

ENGINEERING CKS			
	Cooling	Heating	
% OA	0.0	0.0	
cfm/ft²	0.35	0.11	
cfm/ton	562.62		
ft³/ton	1,602.52		
Btu/hr-ft²	7.49	-2.01	
No. People	0		

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.6	123	77.4	63.4	65.5	57.7	56.2	65.5	Floor	350	Main Htg	-0.7	37	57.7	74.9	
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	0.0	0	0.0	0.0	
Total	0.2	2.6								Roof	0	Humidif	0.0	0	0.0	0.0	
										Wall	0	Opt Vent	0.0	0	0.0	0.0	
												Total	-0.7				

Room Checksums

By ae

R21-WOMEN TOILET ROOM

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1						
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13						
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total							
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Vent	Cooling	Heating	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Infil	0	0	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Supply	118	36	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				MinStop/Rh	36	36	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00				Return	118	36	
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00				Exhaust	0	0	
Partition	0	0	0.00	0	0.00	Partition	0	0.00				Rm Exh	0	0	
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00				Auxil	0	0	
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01				ENGINEERING CKS			
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01				% OA	0.0	0.0	
Internal Loads					Internal Loads			Internal Loads				cfm/ft²	0.50	0.15	
Lights	2,097	524	2,621	100.00	2,097	92.18	Lights	0	0.00				cfm/ton	541.87	
People	0	0	0.00	0	0.00	People	0	0.00				ft²/ton	1,075.86		
Misc	0	0	0.00	0	0.00	Misc	0	0.00				Btu/hr-ft²	11.15	-2.63	
Sub Total ==>	2,097	524	2,621	100.00	2,097	92.18	Sub Total ==>	0	0.00				No. People	0	
Ceiling Load					Ceiling Load			Ceiling Load							
Ventilation Load	178	-178	0	0.00	156	6.85	Ventilation Load	-133	0	0.00					
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00							
Exhaust Heat	0	0	0.00	22	0.97	Exhaust Heat	0	0.00							
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00							
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00							
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	-415	67.11							
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	-203	32.88							
Grand Total ==>	2,275	346	2,621	100.00	2,275	100.00	Grand Total ==>	-133	-619	100.00					

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.2	2.6	2.6	118	77.4	63.4	65.5	57.7	56.1	65.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.2	2.6								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	235		
Part	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	°F
Main Htg	-0.6	36	57.7	73.4
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.6			

Room Checksums

By ae

R22-MEN TOILET ROOM

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1						
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13						
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total							
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Vent	Cooling	Heating	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Infil	0	0	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Supply	118	35	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				MinStop/Rh	35	35	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00				Return	118	35	
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00				Exhaust	0	0	
Partition	0	0	0.00	0	0.00	Partition	0	0.00				Rm Exh	0	0	
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00				Auxil	0	0	
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01				ENGINEERING CKS			
<i>Sub Total ==></i>	0	0	0.00	0	0.00	<i>Sub Total ==></i>	0	0.01				% OA	0.0	0.0	
Internal Loads					Internal Loads			Internal Loads				cfm/ft²	0.52	0.16	
Lights	2,097	524	2,621	100.00	2,097	92.48	Lights	0	0.00				cfm/ton	540.06	
People	0	0	0.00	0	0.00	People	0	0.00				ft²/ton	1,030.16		
Misc	0	0	0.00	0	0.00	Misc	0	0.00				Btu/hr-ft²	11.65	-2.72	
<i>Sub Total ==></i>	2,097	524	2,621	100.00	2,097	92.48	<i>Sub Total ==></i>	0	0.00				No. People	0	
Ceiling Load					Ceiling Load			Ceiling Load							
Ventilation Load	170	-170	0	0.00	149	6.58	Ventilation Load	-127	0	0.00					
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00							
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00							
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00							
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00							
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	-414	67.69							
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	-198	32.30							
<i>Grand Total ==></i>	2,267	354	2,621	100.00	2,267	100.00	<i>Grand Total ==></i>	-127	-611	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
Total Capacity	Sens Cap.		Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.6	2.6	118	77.4	63.4	65.5	57.7	56.1	65.0	Floor	225		Main Htg	-0.6	35	57.7	73.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0		Preheat	0.0	0	0.0	0.0
Total	0.2	2.6									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
														Total	-0.6			

Room Checksums

By ae

R31-WOMEN TOILET ROOM

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1							
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total								
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)								
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Cooling	Heating			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Vent	0	0		
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Infil	0	0		
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00				Supply	118	35		
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00				MinStop/Rh	35	35		
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00				Return	118	35		
Partition	0	0	0.00	0	0.00	Partition	0	0.00				Exhaust	0	0		
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00				Rm Exh	0	0		
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01				Auxil	0	0		
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	0.01				ENGINEERING CKS				
Internal Loads					Internal Loads			Internal Loads				% OA				
Lights	2,097	524	2,621	100.00	2,097	92.33	Lights	0	0.00				cfm/ft²	0.51	0.15	
People	0	0	0.00	0	0.00	People	0	0.00				cfm/ton	540.96			
Misc	0	0	0.00	0	0.00	Misc	0	0.00				ft³/ton	1,052.99			
Sub Total ==>	2,097	524	2,621	100.00	2,097	92.33	Sub Total ==>	0	0.00				Btu/hr-ft²	11.40	-2.67	
Ceiling Load					Ceiling Load			Ceiling Load				No. People				
Ventilation Load	174	-174	0	0.00	153	6.72	Ventilation Load	-130	0.00				0			
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00								
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00								
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00								
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00								
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	-415	67.40								
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	-200	32.59								
Grand Total ==>	2,271	350	2,621	100.00	2,271	100.00	Grand Total ==>	-130	-615	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.6	118	77.4	63.4	65.5	57.7	56.1	65.1	Floor	230	-0.6	35	57.7	73.3		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.2	2.6								Roof	0	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
										Total	-0.6						

Room Checksums

By ae

R32-MEN TOILET ROOM

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13					
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads														
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00						
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00						
Roof Cond	0	0	0.00	0	0.00	0	0	0.00						
Glass Solar	0	0	0.00	0	0.00	0	0	0.00						
Glass Cond	0	0	0.00	0	0.00	0	0	0.00						
Wall Cond	0	0	0.00	0	0.00	0	0	0.00						
Partition	0	0	0.00	0	0.00	0	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00						
Infiltration	0	0	0.00	0	0.00	0	0	0.01						
<i>Sub Total ==></i>	0	0	0.00	0	0.00	0	0	0.01						
Internal Loads														
Lights	2,097	524	2,621	100.00	2,097	92.48	0	0.00						
People	0	0	0	0.00	0	0.00	0	0.00						
Misc	0	0	0	0.00	0	0.00	0	0.00						
<i>Sub Total ==></i>	2,097	524	2,621	100.00	2,097	92.48	0	0.00						
Ceiling Load														
Ventilation Load	170	-170	0	0.00	149	6.58	0	0.00						
Ov/Undr Sizing	0	0	0	0.00	21	0.94	0	0.00						
Exhaust Heat		0	0	0.00			0	0.00						
Sup. Fan Heat			0	0.00			0	0.00						
Ret. Fan Heat		0	0	0.00			0	0.00						
Duct Heat Pkup		0	0	0.00			0	0.00						
Reheat at Design			0	0.00			0	0.00						
<i>Grand Total ==></i>	2,267	354	2,621	100.00	2,267	100.00	-127	-611	100.00					

COOLING COIL SELECTION					AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass						
ton	MBh	MBh	cfm °F °F gr/lb	°F °F gr/lb		ft² (%)	Capacity	Coil Airflow	Ent	Lvg		
							MBh	cfm	°F	°F		
Main Clg	0.2	2.6	118 77.4 63.4 65.5	57.7 56.1 65.0	Floor	225	-0.6	35	57.7	73.3		
Aux Clg	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	ExFlr	0	0.0	0	0.0	0.0		
<i>Total</i>	0.2	2.6			Roof	0	0	0	0.0	0.0		
					Wall	0	0	0	0.0	0.0		
							0.0	0	0.0	0.0		
							0.0	0	0.0	0.0		
							-0.6					

Room Checksums

By ae

R41-WOMEN TOILET ROOM

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 21					Mo/Hr: 7 / 21					Mo/Hr: 13 / 1							
Outside Air: OADB/WB/HR: 80 / 73 / 110					OADB: 80					OADB: 13							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total			Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total		SADB	Cooling	Heating		
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)			Btu/h	Btu/h	(%)						
Envelope Loads																	
Skylite Solar	0	0	0	0.00	0	0.00			Skylite Solar	0	0	0.00					
Skylite Cond	0	0	0	0.00	0	0.00			Skylite Cond	0	0	0.00					
Roof Cond	0	421	421	19.42	0	0.00			Roof Cond	0	-500	87.27					
Glass Solar	0	0	0	0.00	0	0.00			Glass Solar	0	0	0.00					
Glass Cond	0	0	0	0.00	0	0.00			Glass Cond	0	0	0.00					
Wall Cond	0	0	0	0.00	0	0.00			Wall Cond	0	0	0.00					
Partition	0	0	0	0.00	0	0.00			Partition	0	0	0.00					
Exposed Floor	0	0	0	0.00	0	0.00			Exposed Floor	0	0	0.00					
Infiltration	0	0	0	0.00	0	0.00			Infiltration	0	0	0.01					
Sub Total ==>	0	421	421	19.42	0	0.00			Sub Total ==>	0	-500	87.28					
Internal Loads																	
Lights	1,398	350	1,748	80.58	1,398	94.86			Lights	0	0	0.00					
People	0	0	0	0.00	0	0.00			People	0	0	0.00					
Misc	0	0	0	0.00	0	0.00			Misc	0	0	0.00					
Sub Total ==>	1,398	350	1,748	80.58	1,398	94.86			Sub Total ==>	0	0	0.00					
Ceiling Load																	
Ventilation Load	76	-76	0	0.00	44	2.97			Ceiling Load	-250	0	0.00					
Ov/Undr Sizing	0	0	0	0.00	0	0.00			Ventilation Load	0	0	0.00					
Exhaust Heat	0	0	0	0.00	32	2.17			Ov/Undr Sizing	0	0	0.00					
Sup. Fan Heat	0	0	0	0.00	0	0.00			Exhaust Heat	0	0	0.00					
Ret. Fan Heat	0	0	0	0.00	0	0.00			OA Preheat Diff.	0	0	0.00					
Duct Heat Pkup	0	0	0	0.00	0	0.00			RA Preheat Diff.	0	0	0.00					
Reheat at Design	0	0	0	0.00	0	0.00			Additional Reheat	-246	42.90						
Grand Total ==>	1,474	695	2,169	100.00	1,474	100.00			System Plenum Heat	173	-30.18						
Grand Total ==>	1,474	695	2,169	100.00	1,474	100.00			Grand Total ==>	-250	-573	100.00					

AIRFLOWS			ENGINEERING CKS		
	Cooling	Heating		Cooling	Heating
Vent	0	0	% OA	0.0	0.0
Infil	0	0	cfm/ft²	0.29	0.09
Supply	72	22	cfm/ton	397.10	
MinStop/Rh	22	22	ft³/ton	1,355.55	
Return	72	22	Btu/hr-ft²	8.85	-2.34
Exhaust	0	0	No. People	0	
Rm Exh	0	0			
Auxil	0	0			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
ton	MBh	MBh	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.2	2.2	2.2	72	76.0	62.9	65.4	56.5	52.6	53.1	Floor	245					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0					
Total	0.2	2.2									Roof	245	0	0			
											Wall	0	0	0			

HEATING COIL SELECTION				
Capacity	Coil Airflow	Ent	Lvg	
MBh	cfm	°F	°F	
Main Htg	-0.6	22	56.5	80.5
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.6			

Room Checksums

By ae

R42-MEN TOILET ROOM

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 21			Mo/Hr: 7 / 21		Mo/Hr: 13 / 1					Cooling Heating			
Outside Air:		OADB/WB/HR: 80 / 73 / 110			OADB: 80		OADB: 13					SADB	56.5	77.6	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	76.0	66.8	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	76.0	66.8	
Envelope Loads					Envelope Loads			Envelope Loads							
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0	
Roof Cond	0	421	14.76	0	0.00	Roof Cond	0	-500	72.16				Fn Frict	0.0	0.0
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00							
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00							
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00							
Partition	0	0	0.00	0	0.00	Partition	0	0.00							
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00							
Infiltration	0	0	0.00	0	0.00	Infiltration	0	0.01							
<i>Sub Total ==></i>	0	421	14.76	0	0.00	<i>Sub Total ==></i>	0	-500	72.16						
Internal Loads					Internal Loads			Internal Loads							
Lights	1,946	486	85.24	1,946	96.25	Lights	0	0.00							
People	0	0	0.00	0	0.00	People	0	0.00							
Misc	0	0	0.00	0	0.00	Misc	0	0.00							
<i>Sub Total ==></i>	1,946	486	85.24	1,946	96.25	<i>Sub Total ==></i>	0	0.00							
Ceiling Load					Ceiling Load			Ceiling Load							
Ventilation Load	76	-76	0.00	44	2.17	Ventilation Load	-250	0.00							
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00							
Exhaust Heat	0	0	0.00	32	1.58	Exhaust Heat	0	0.00							
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00							
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00							
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	-337	48.66							
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	144	-20.83							
<i>Grand Total ==></i>	2,022	832	100.00	2,022	100.00	<i>Grand Total ==></i>	-250	-693	100.00						

AIRFLOWS									
		Cooling	Heating						
Vent		0	0						
Infil		0	0						
Supply		98	30						
MinStop/Rh		30	30						
Return		98	30						
Exhaust		0	0						
Rm Exh		0	0						
Auxil		0	0						

ENGINEERING CKS					
		Cooling	Heating		
% OA		0.0	0.0		
cfm/ft²		0.40	0.12		
cfm/ton		413.99			
ft²/ton		1,030.24			
Btu/hr-ft²		11.65	-2.83		
No. People		0			

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.2	2.9	2.9	98	76.0	62.9	65.4	56.5	53.0	54.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Total</i>	0.2	2.9								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	245		
Part	0		
ExFlr	0		
Roof	245	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
Main Htg	-0.7	30	56.5	77.6
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<i>Total</i>	-0.7			

Room Checksums

By ae

T11-TELECOM &AV

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling			Heating
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91			OADB: 13				SADB	57.7	55.0	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	77.4	68.2				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	91.0	68.2				
Envelope Loads					Envelope Loads			Envelope Loads				Fn MtrTD	0.0	0.0	
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.0	0.0				
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.0	0.0				
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00							
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00							
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00							
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00							
Partition	0	0	0.00	0	0.00	Partition	0	0.00							
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00							
Infiltration	0	0	0.00	0	0.00	Infiltration	0	-100.00							
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	-100.00							
Internal Loads					Internal Loads			Internal Loads							
Lights	175	44	218	81.85	175	6,500.00	Lights	0	0	0.00	Vent	0	0		
People	0	0	0	0.00	0	0.00	People	0	0	0.00	Infil	0	0		
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00	Supply	0	0		
Sub Total ==>	175	44	218	81.85	175	6,500.00	Sub Total ==>	0	0	0.00	MinStop/Rh	0	0		
											Return	0	0		
											Exhaust	0	0		
											Rm Exh	0	0		
											Auxil	0	0		
Ceiling Load	-223	223	0	0.00	-227	1,306.67	Ceiling Load	167	0	0.00					
Ventilation Load	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00					
Ov/Undr Sizing	48	0	48	18.15	52	4,906.67	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat		0	0	0.00			Exhaust Heat		0	-20.00					
Sup. Fan Heat			0	0.00			OA Preheat Diff.		0	0.00					
Ret. Fan Heat		0	0	0.00			RA Preheat Diff.		-167	760.00					
Duct Heat Pkup		0	0	0.00			Additional Reheat		0	-20.00					
Reheat at Design			0	0.00			System Plenum Heat		168	000.00					
Grand Total ==>	0	267	267	100.00	0	100.00	Grand Total ==>	167	0	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Floor	40	0.0	0	62.9	55.0		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	0.0	0.0								Roof	0	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		

ENGINEERING CKS				
	Cooling	Heating		
% OA	0.0	0.0		
cfm/ft²	0.00	0.00		
cfm/ton	0.00			
ft²/ton	1,798.59			
Btu/hr-ft²	6.67	0.00		
No. People	0			

Room Checksums

By ae

T12-TELECOM & AV

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15			Mo/Hr: 13 / 1				Cooling			Heating
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91			OADB: 13				SADB	58.5	55.0	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	78.5	70.0				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	91.0	70.0				
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn MtrTD	0.0	0.0				
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn BldTD	0.0	0.0				
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Fn Frict	0.0	0.0				
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	ENGINEERING CKS						
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00							
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00							
Partition	0	0	0.00	0	0.00	Partition	0	0.00							
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00							
Infiltration	0	0	0.00	0	0.00	Infiltration	0	-100.00							
Sub Total ==>	0	0	0.00	0	0.00	Sub Total ==>	0	-100.00							
Internal Loads					Internal Loads			Internal Loads							
Lights	175	44	218	71.49	175	6,500.00	Lights	0				0.00			
People	0	0	0.00	0	0.00	People	0	0.00							
Misc	0	0	0.00	0	0.00	Misc	0	0.00							
Sub Total ==>	175	44	218	71.49	175	6,500.00	Sub Total ==>	0	0.00						
Ceiling Load					Ceiling Load			Ceiling Load							
Ventilation Load	-262	262	0	0.00	-262	4,666.67	Ventilation Load	237	0.00						
Ov/Undr Sizing	87	0	87	28.51	87	8,266.67	Ov/Undr Sizing	0	0.00						
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	-40.00							
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	0	0.00							
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	-237	580.00							
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	0	-20.00							
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	237	840.00							
Grand Total ==>	0	306	306	100.00	0	100.00	Grand Total ==>	237	0	100.00					

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	50		
Part	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
Main Htg	0.0	0	64.1	55.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By ae

T22-TELECOM & AV

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1		Mo/Hr: 13 / 1		Cooling		Heating		
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 91		OADB: 13		OADB: 13		SADB	55.2	75.5
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)		0.0	0.0	0.0
Envelope Loads															
Skylite Solar	0	0	0	0.00	0	0.00	Skylite Solar	0	0	0.00					
Skylite Cond	0	0	0	0.00	0	0.00	Skylite Cond	0	0	0.00					
Roof Cond	0	0	0	0.00	0	0.00	Roof Cond	0	0	0.00					
Glass Solar	0	0	0	0.00	0	0.00	Glass Solar	0	0	0.00					
Glass Cond	0	0	0	0.00	0	0.00	Glass Cond	0	0	0.00					
Wall Cond	0	0	0	0.00	0	0.00	Wall Cond	0	0	0.00					
Partition	0	0	0	0.00	0	0.00	Partition	0	0	0.00					
Exposed Floor	0	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00					
Infiltration	0	0	0	0.01	0	0.01	Infiltration	0	0	0.10					
<i>Sub Total ==></i>	0	0	0	0.01	0	0.01	<i>Sub Total ==></i>	0	0	0.10					
Internal Loads															
Lights	175	44	218	99.99	175	89.82	Lights	0	0	0.00					
People	0	0	0	0.00	0	0.00	People	0	0	0.00					
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00					
<i>Sub Total ==></i>	175	44	218	99.99	175	89.82	<i>Sub Total ==></i>	0	0	0.00					
Ceiling Load															
Ventilation Load	20	-20	0	0.00	15	7.75	Ceiling Load	-16	0	0.00					
Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00					
Exhaust Heat	0	0	0	0.00	5	2.42	Ov/Undr Sizing	0	0	0.00					
Sup. Fan Heat	0	0	0	0.00	0	0.00	Exhaust Heat	0	0	0.00					
Ret. Fan Heat	0	0	0	0.00	0	0.00	OA Preheat Diff.	0	0	0.00					
Duct Heat Pkup	0	0	0	0.00	0	0.00	RA Preheat Diff.	0	0	0.00					
Reheat at Design	0	0	0	0.00	0	0.00	Additional Reheat	-41	67.80						
<i>Grand Total ==></i>	195	24	218	100.00	195	100.00	System Plenum Heat	-19	32.10						
<i>Grand Total ==></i>	195	24	218	100.00	195	100.00	<i>Grand Total ==></i>	-16	-60	100.00					

AIRFLOWS			ENGINEERING CKS		
	Cooling	Heating		Cooling	Heating
Vent	0	0	% OA	0.0	0.0
Infil	0	0	cfm/ft²	0.18	0.05
Supply	9	3	cfm/ton	486.90	
MinStop/Rh	3	3	ft²/ton	2,746.40	
Return	9	3	Btu/hr-ft²	4.37	-1.20
Exhaust	0	0	No. People	0	
Rm Exh	0	0			
Auxil	0	0			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.0	0.2	9	76.3	63.0	65.5	55.2	54.7	63.6	Floor	50	-0.1	3	55.2	75.5		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
<i>Total</i>	0.0	0.2								Roof	0	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
										Humidif	0.0	0	0.0	0.0	0.0		
										Opt Vent	0.0	0	0.0	0.0	0.0		
										<i>Total</i>	-0.1						

Room Checksums

By ae

T31-TELECOM & AV

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: 13 / 1					
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91				OADB: 13					
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads					Envelope Loads			Envelope Loads				SADB		
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	57.7	75.0				
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	77.4	68.2				
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	77.4	68.2				
Glass Solar	0	0	0.00	0	0.00	0	0	0.00	77.4	68.2				
Glass Cond	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0				
Wall Cond	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0				
Partition	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0				
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0				
Infiltration	0	0	0.00	0	0.01	0	0	0.05	0.0	0.0				
<i>Sub Total ==></i>	0	0	0.00	0	0.01	0	0	0.05	0.0	0.0				
Internal Loads					Internal Loads			Internal Loads				Fn MtrTD		
Lights	349	87	437	100.00	349	88.49	0	0	0.00	0.0	0.0			
People	0	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0			
Misc	0	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0			
<i>Sub Total ==></i>	349	87	437	100.00	349	88.49	0	0	0.00	0.0	0.0			
Ceiling Load					Ceiling Load			Ceiling Load				Fn BldTD		
Ventilation Load	45	-45	0	0.00	40	10.08	-34	0	0.00	0.0	0.0			
Ov/Undr Sizing	0	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0			
Exhaust Heat	0	0	0	0.00	6	1.43	0	0	0.00	0.0	0.0			
Sup. Fan Heat	0	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0			
Ret. Fan Heat	0	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0			
Duct Heat Pkup	0	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0			
Reheat at Design	0	0	0	0.00	0	0.00	0	0	0.00	0.0	0.0			
<i>Grand Total ==></i>	395	42	437	100.00	395	100.00	-34	-118	100.00	0.0	0.0			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.0	0.4	21	77.4	63.4	65.5	57.7	56.2	65.5	Floor	60	-0.1	6	57.7	75.0		
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
<i>Total</i>	0.0	0.4								Roof	0	0	0	0.0	0.0		
										Wall	0	0	0	0.0	0.0		
										Humidif	0.0	0	0	0.0	0.0		
										Opt Vent	0.0	0	0	0.0	0.0		
										Total	-0.1						

Room Checksums

By ae

T32-TELECOM&AV

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: 13 / 1					Cooling Heating			
Outside Air:		OADB/WB/HR: 91 / 77 / 118			OADB: 91		OADB: 13					SADB	55.2	75.5	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)		0.0	0.0	0.0
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	0	0	0.00		Cooling	Heating	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	0	0	0.00	Vent	0	0	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	0	0	0.00	Infil	0	0	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00	0	0	0.00	Supply	9	3	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00	0	0	0.00	MinStop/Rh	3	3	
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00	0	0	0.00	Return	9	3	
Partition	0	0	0.00	0	0.00	Partition	0	0.00	0	0	0.00	Exhaust	0	0	
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	0	0	0.00	Rm Exh	0	0	
Infiltration	0	0	0.01	0	0.01	Infiltration	0	0.10	0	0	0.10	Auxil	0	0	
Sub Total ==>	0	0	0.01	0	0.01	Sub Total ==>	0	0.10	0	0	0.10	ENGINEERING CKS			
Internal Loads					Internal Loads			Internal Loads				% OA	0.0	0.0	
Lights	175	44	218	99.99	175	89.82	Lights	0	0	0.00	cfm/ft²	0.18	0.05		
People	0	0	0	0.00	0	0.00	People	0	0	0.00	cfm/ton	486.90			
Misc	0	0	0	0.00	0	0.00	Misc	0	0	0.00	ft²/ton	2,746.40			
Sub Total ==>	175	44	218	99.99	175	89.82	Sub Total ==>	0	0	0.00	Btu/hr-ft²	4.37	-1.20		
Ceiling Load					Ceiling Load			Ceiling Load				No. People	0		
Ventilation Load	20	-20	0	0.00	15	7.75	Ventilation Load	-16	0	0.00					
Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat	0	0	0	0.00	5	2.42	Exhaust Heat	0	0	0.00					
Sup. Fan Heat	0	0	0	0.00			OA Preheat Diff.	0	0	0.00					
Ret. Fan Heat	0	0	0	0.00			RA Preheat Diff.	0	0	0.00					
Duct Heat Pkup	0	0	0	0.00			Additional Reheat	-41	67.80						
Reheat at Design	0	0	0	0.00			System Plenum Heat	-19	32.10						
Grand Total ==>	195	24	218	100.00	195	100.00	Grand Total ==>	-16	-60	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.0	0.2	9	76.3	63.0	65.5	55.2	54.7	63.6	Floor	50	Main Htg	-0.1	3	55.2	75.5	
Aux Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	0.0	0	0.0	0.0	
Total	0.0	0.2								Roof	0	Humidif	0.0	0	0.0	0.0	
										Wall	0	Opt Vent	0.0	0	0.0	0.0	
												Total	-0.1				